

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
GCC Permian, LLC

AUTHORIZING THE OPERATION OF
Odessa Cement Plant
Cement Manufacturing

LOCATED AT
Ector County, Texas
Latitude 31° 44' 45" Longitude 102° 32' 48"
Regulated Entity Number: RN100213305

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1125 Issuance Date: _____

For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
 - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
 - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

- E. Emission units subject to 40 CFR Part 63, Subpart LLL as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.690 which incorporates the 40 CFR Part 63 Subpart by reference.
 - F. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
 - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic

monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
- (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under

30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which

condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The

observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- F. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
5. For the nonmetallic mineral processing operations specified in 40 CFR Part 60, Subpart OOO, the permit holder shall comply with the following requirements:
 - A. Title 40 CFR § 60.670(f) (relating to Applicability and Designation of Affected Facility), for Table 1 for Subpart A
 - B. Title 40 CFR § 60.673(a) - (b) (relating to Reconstruction)
 - C. Title 40 CFR § 60.676(h) (relating to Reporting and Recordkeeping)
6. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

Additional Monitoring Requirements

7. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

8. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under

30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

- A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
9. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
10. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).
11. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
- A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
 - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
 - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
13. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116

- (iv) Temporarily exceed state NSR permit allowables
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
 - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Protection of Stratospheric Ozone

- 14. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
 - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Permit Location

- 15. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

- 16. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
31EF-1	COAL PREPARATION PLANT	N/A	60Y	40 CFR Part 60, Subpart Y	No changing attributes.
31EF-2	COAL PREPARATION PLANT	N/A	60Y	40 CFR Part 60, Subpart Y	No changing attributes.
31EF-3	COAL PREPARATION PLANT	N/A	60Y	40 CFR Part 60, Subpart Y	No changing attributes.
CEF-4	MINERAL PROCESSING PLANT	N/A	60000	40 CFR Part 60, Subpart 000	No changing attributes.
CPT-1	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
DEF-1	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
DEF-2	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
DTP-1	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
DTP-2	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
DTP-3	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
DTP-4	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
EEF-1	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-11	MINERAL PROCESSING	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	PLANT				
EEF-12	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-13	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-14	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
EEF-2	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
EEF-3	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
EEF-4	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-5	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
EEF-5	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-6	EMISSION POINTS/STATIONARY	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	VENTS/PROCESS VENTS				
EEF-6	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-8	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
EEF-9	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
ENG-1	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-2	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-3	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FCLB-2	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
FCLCP	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
FCLSP-3	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
FCP-1	COAL PREPARATION PLANT	N/A	60Y	40 CFR Part 60, Subpart Y	No changing attributes.
FCP-1B	COAL PREPARATION PLANT	N/A	60Y	40 CFR Part 60, Subpart Y	No changing attributes.
FEF-1	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
FEF-2	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GBH-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GBH-1	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
GEF-3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GEF-3	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
GEF-9	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GID34EX	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GID34EX	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
GID5EX	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GID5EX	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
GID5EX/GID6EX	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
GID6EX	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
GRP1	MINERAL PROCESSING PLANT	FCLB-1, FCLB-3, FCLB-4, FCLB-5,	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		FCLSP-2, FCLT-1, FGSP-4, FLO-1, FLO-2, FLO-3, FLO- 4, FMS-1, FMS-3, FMS-4, FMSSP-1, FMSSP-5, FSASP-1, FTP-1, FTP-2, GEF- 11, GEF-12, GEF- 13, GEF-14, GEF- 15, GEF-16, GEF- 17, GEF-18, GEF- 19, GEF-20, GEF- 21, GEF-22, GEF- 23, GEF-24, GEF- 25, GEF-26, GEF- 27, GEF-28, GTP-1, GTP-2, GTP-3, KBH- 1, KBH-12, KBH-13, KBH-17, KBH-18, KBH-8, KCD-1, KCD-2, KEF-11, KEF-14, KEF-15			
GRP2	MINERAL PROCESSING PLANT	FRB-1, FRB-2, FRB- 4, FRB-5, FSASP-7	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
GRP3	COAL PREPARATION PLANT	FCP-2, FCP-5, FCP- 6, FCP-7	60Y	40 CFR Part 60, Subpart Y	No changing attributes.
KBH-9	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KBH-9	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
KEF-10	EMISSION	N/A	R1111	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS			Emissions	
KEF-10	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
KEF-3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KEF-3	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
KEF-4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KEF-4	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
KEF-5	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KEF-5	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
KEF-6	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KEF-6	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
KEF-7	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KEF-7	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
KEF-9	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KEF-9	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.
KILN3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KILN3	MINERAL PROCESSING PLANT	N/A	63LLL	40 CFR Part 63, Subpart LLL	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
31EF-1	EU	60Y	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.257(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.	§ 60.255(a) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(2) [G]§ 60.257(a)(3) ** See Periodic Monitoring Summary	None	None
31EF-2	EU	60Y	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.257(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.	§ 60.255(a) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(2) [G]§ 60.257(a)(3) ** See Periodic Monitoring Summary	None	None
31EF-3	EU	60Y	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.255(c) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal	§ 60.255(b) [G]§ 60.255(b)(2) § 60.257(a) [G]§ 60.257(a)(1)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(10) § 60.258(a)(2)	§ 60.258(b) § 60.258(b)(2) § 60.258(b)(3) § 60.258(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	[G]§ 60.257(a)(2) [G]§ 60.257(a)(3)	§ 60.258(a)(3) § 60.258(a)(4)	§ 60.258(d)
CEF-4	EU	60000	PM	40 CFR Part 60, Subpart 000	§ 60.672(a)-Table 2 § 60.672(a)	Stack emissions from affected facilities with capture systems (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction on or after April 22, 2008, the owner or operator must meet a PM limit of 0.032 g/dscm (0.014 gr/dscf).	§ 60.675(a) § 60.675(b)(1)	None	§ 60.676(f) [G]§ 60.676(i) § 60.676(k)
CPT-1	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
DEF-1	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL		of 40 CFR Part 63, Subpart LLL	Part 63, Subpart LLL	
DEF-2	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
DTP-1	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
DTP-2	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
DTP-3	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder	The permit holder shall comply with the applicable	The permit holder shall comply with	The permit holder shall comply with the	The permit holder shall comply with the

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	requirements of 40 CFR Part 63, Subpart LLL	the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	applicable reporting requirements of 40 CFR Part 63, Subpart LLL
DTP-4	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-1	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
EEF-1	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-11	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 40 CFR

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL		testing requirements of 40 CFR Part 63, Subpart LLL	requirements of 40 CFR Part 63, Subpart LLL	Part 63, Subpart LLL
EEF-12	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-13	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-14	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-2	EP	R1111	Opacity	30 TAC Chapter	§ 111.111(a)(1)(A)	Visible emissions from any	[G]§	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				111, Visible Emissions	§ 111.111(a)(1)(E)	stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	111.111(a)(1)(F) ** See Periodic Monitoring Summary		
EEF-2	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-3	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
EEF-3	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-4	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
EEF-4	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder	The permit holder shall comply with the applicable	The permit holder shall comply with	The permit holder shall comply with the	The permit holder shall comply with the

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	requirements of 40 CFR Part 63, Subpart LLL	the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-5	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
EEF-5	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-6	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
EEF-6	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63,	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					Subpart LLL				
EEF-8	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
EEF-9	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
ENG-1	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENG-2	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	Table 6.9.a.i § 63.6640(a)- Table 6.9.a.ii	§ 63.6660(a) § 63.6660(b) § 63.6660(c)	
ENG-3	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602- Table 2c.6 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary SI RICE and black start stationary SI RICE with a site rating less than or equal to 500 HP, located at a major source, you must comply with the requirements as specified in Table 2c.6.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)- Table 6.9.a.i § 63.6640(a)- Table 6.9.a.ii	§ 63.6625(j) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
FCLB-2	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
FCLCP	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					CFR Part 63, Subpart LLL				
FCLSP-3	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
FCP-1	EU	60Y	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.257(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.	§ 60.255(a) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(2) [G]§ 60.257(a)(3) ** See Periodic Monitoring Summary	None	None
FCP-1B	EU	60Y	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.257(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and	§ 60.255(a) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(2) [G]§ 60.257(a)(3) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.			
FEF-1	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
FEF-2	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GBH-1	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GBH-1	EU	63LLL	112(B)	40 CFR Part 63,	§ 63.1340(a)	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart LLL	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GEF-3	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GEF-3	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GEF-9	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GID34EX	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GID34EX	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GID5EX	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GID5EX	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GID5EX/GID 6EX	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GID6EX	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder	The permit holder shall comply with the applicable	The permit holder shall comply with	The permit holder shall comply with the	The permit holder shall comply with the

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	requirements of 40 CFR Part 63, Subpart LLL	the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GRP1	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GRP2	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GRP3	EU	60Y	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.257(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal	§ 60.255(a) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(2) [G]§ 60.257(a)(3) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.			
KBH-9	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KBH-9	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
KEF-10	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KEF-10	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 40 CFR

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL		testing requirements of 40 CFR Part 63, Subpart LLL	requirements of 40 CFR Part 63, Subpart LLL	Part 63, Subpart LLL
KEF-3	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KEF-3	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
KEF-4	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KEF-4	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
KEF-5	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KEF-5	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
KEF-6	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KEF-6	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
KEF-7	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KEF-7	EU	63LLL	112(B)	40 CFR Part 63,	§ 63.1340(a)	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart LLL	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
KEF-9	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KEF-9	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
KILN3	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KILN3	EU	63LLL	112(B) HAPS	40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable limitation, standard	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL		of 40 CFR Part 63, Subpart LLL	Part 63, Subpart LLL	

Additional Monitoring Requirements

Periodic Monitoring Summary 39

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 31EF-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y
Pollutant: PM (Opacity)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: 20% Opacity	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 31EF-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y
Pollutant: PM (Opacity)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: 20% Opacity	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: EEF-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: EEF-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: EEF-3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minutes	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: EEF-4	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation)</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: EEF-5	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: EEF-6	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation)</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: FCP-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y
Pollutant: PM (Opacity)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: 20% Opacity	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: FCP-1B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y
Pollutant: PM (Opacity)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: 20% Opacity	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GBH-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minutes	
Deviation Limit: 15% Opacity	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GEF-3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GEF-9	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation)</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GID34EX	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: 15% Opacity	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GID5EX	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minutes	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y
Pollutant: PM (Opacity)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: 20% Opacity	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KBH-9	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: 15% Opacity	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KEF-10	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: 15% Opacity	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KEF-3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KEF-4	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KEF-5	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation)</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KEF-6	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KEF-7	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KEF-9	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per week	
Averaging Period: Six-minute	
Deviation Limit: 30% Opacity	
<p>Periodic Monitoring Text: The permit holder shall perform visible emissions observations once per week in accordance with the procedures of Method 22 of Appendix A to 40 CFR Part 60. The Method 22 observation test shall be conducted while the affected source is in operation. The duration of the Test Method 22 test shall be six minutes. All visible emission observations shall be recorded. If visible emissions are detected during the Test Method 22 reading, the permit holder shall either report a deviation or determine the opacity, consistent with Test Method 9, as soon as practicable but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity exceeding 30%, the permit holder shall report a deviation. (Note the 30 minute duration for the Test Method 9 is not relevant for Chapter 111 compliance since the Test Method 9 is a six minute test (average of 24 readings conducted once every 15 seconds) and the opacity standards in 30 TAC Chapter 111 are on a six minute average. 30 minutes is generally specified for the initial performance test in other regulations. If they want they can do 5 six minutes Test Method 9 readings to cover 30 minutes but any reading over the opacity limit would be a deviation).</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KILN3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: 15% Opacity	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p>	

Permit Shield

Permit Shield 65

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
31EF-1	N/A	40 CFR Part 60, Subpart F	Not part of the affected conveying system.
31EF-1	N/A	40 CFR Part 63, Subpart LLL	Not part of the affected conveying system.
31EF-2	N/A	40 CFR Part 60, Subpart F	Not part of the affected conveying system.
31EF-2	N/A	40 CFR Part 63, Subpart LLL	Not part of the affected conveying system.
31EF-3	N/A	40 CFR Part 60, Subpart F	Not part of the affected conveying system.
CEF-1	N/A	40 CFR Part 60, Subpart F	Crushers are not subject to NSPS F.
CEF-1	N/A	40 CFR Part 60, Subpart OOO	Facility constructed on or before August 31, 1983
CEF-1	N/A	40 CFR Part 63, Subpart LLL	Crushers are not subject to MACT LLL.
CEF-2	N/A	40 CFR Part 60, Subpart F	Crushers are not subject to NSPS F.
CEF-2	N/A	40 CFR Part 60, Subpart OOO	Facility constructed on or before 8/31/1983.
CEF-2	N/A	40 CFR Part 63, Subpart LLL	Crushers are not subject to MACT LLL.
CEF-3	N/A	40 CFR Part 60, Subpart F	Crushers are not subject to NSPS F.
CEF-3	N/A	40 CFR Part 60, Subpart OOO	Facility constructed on or before 8/31/1983.
CEF-3	N/A	40 CFR Part 63, Subpart LLL	Crushers are not subject to MACT LLL.
CPT-1	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
CPT-1	N/A	40 CFR Part 60, Subpart OOO	Operation does not consist of non-metallic mineral processing.
CT-1	N/A	40 CFR Part 63, Subpart Q	Chromium based solution is not used on or after 9/8/1994.
CT-2	N/A	40 CFR Part 63, Subpart Q	Chromium based solution is not used on or

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			after 9/8/1994.
DEF-1	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
DEF-2	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
DEF-2	N/A	40 CFR Part 60, Subpart OOO	Facility constructed on or before 8/31/1983
DEG-1	N/A	40 CFR Part 63, Subpart T	Does not use any solvent containing methylene chloride, perchloroethylene, 1,1,1-trichloroethylene, carbon tetrachloride or chloroform, or any combination of these solvents, in a total concentration > 5% by weight.
DEG-2	N/A	40 CFR Part 63, Subpart T	Does not use any solvent containing methylene chloride, perchloroethylene, 1,1,1-trichloroethylene, carbon tetrachloride or chloroform, or any combination of these solvents, in a total concentration > 5% by weight.
DEG-3	N/A	40 CFR Part 63, Subpart T	Does not use any solvent containing methylene chloride, perchloroethylene, 1,1,1-trichloroethylene, carbon tetrachloride or chloroform, or any combination of these solvents, in a total concentration > 5% by weight.
DEG-4	N/A	40 CFR Part 63, Subpart T	Does not use any solvent containing methylene chloride, perchloroethylene, 1,1,1-trichloroethylene, carbon tetrachloride or

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			chloroform, or any combination of these solvents, in a total concentration > 5% by weight.
DTP-1	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
DTP-2	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
DTP-3	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
DTP-4	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-1	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-11	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-12	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-13	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-14	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-2	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-3	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
EEF-4	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-5	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-6	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-8	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
EEF-9	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
ENG-1	N/A	40 CFR Part 60, Subpart IIII	Not constructed, modified, or reconstructed after July 11, 2005
ENG-2	N/A	40 CFR Part 60, Subpart IIII	Not constructed, modified, or reconstructed after July 11, 2005
ENG-3	N/A	40 CFR Part 60, Subpart IIII	Not constructed, modified, or reconstructed after July 11, 2005
FC-1	N/A	40 CFR Part 60, Subpart F	Source is not a part of the affected loading/unloading system.
FC-1	N/A	40 CFR Part 60, Subpart OOO	Truck loading operation is not enclosed.
FC-1	N/A	40 CFR Part 63, Subpart LLL	Source is not a part of the affected loading/unloading system.
FCKD-1	N/A	40 CFR Part 60, Subpart F	Source is not a part of the affected loading/unloading system.
FCKD-1	N/A	40 CFR Part 63, Subpart LLL	Source is not a part of the affected

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			loading/unloading system.
FCLB-2	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
FCLSP-3	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
FCP-1	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
FCP-1	N/A	40 CFR Part 60, Subpart OOO	Railcar loading operation is not enclosed.
FCP-1	N/A	40 CFR Part 63, Subpart LLL	Not part of the affected conveying system.
FCP-1B	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
FCP-1B	N/A	40 CFR Part 63, Subpart LLL	Not a part of affected loading/unloading system.
FCPT	N/A	40 CFR Part 60, Subpart F	Source is not a part of the affected loading/unloading system.
FCPT	N/A	40 CFR Part 60, Subpart OOO	Truck loading operation is not enclosed.
FCPT	N/A	40 CFR Part 63, Subpart LLL	Source is not a part of the affected loading/unloading system.
FCPW-1	N/A	40 CFR Part 60, Subpart F	Coal is not a raw material.
FCPW-1	N/A	40 CFR Part 60, Subpart Y	Open coal storage piles are not considered a coal storage system.
FEF-1	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FEF-1	N/A	40 CFR Part 60, Subpart OOO	Source follows in the plant process the raw mills which subject to the provisions of subpart F.
FEF-2	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
FEF-2	N/A	40 CFR Part 60, Subpart OOO	Source follows in the plant processes the raw mills which subject to the provisions of Subpart F.
FGSP-1	N/A	40 CFR Part 60, Subpart F	Source is not a part of the affected loading/unloading system.
FGSP-1	N/A	40 CFR Part 63, Subpart LLL	Source is not a part of the affected loading/unloading system.
FGSP1-T	N/A	40 CFR Part 60, Subpart F	Source is not a part of the affected loading/unloading system.
FGSP1-T	N/A	40 CFR Part 60, Subpart OOO	Truck loading operation is not enclosed.
FGSP1-T	N/A	40 CFR Part 63, Subpart LLL	Source is not a part of the affected loading/unloading system.
FGSP-2	N/A	40 CFR Part 60, Subpart F	Not an affected source since drop is not a part of the affected conveying system.
FGSP-2	N/A	40 CFR Part 63, Subpart LLL	Not an affected source since drop is not a part of the affected conveying system.
FGSP-3	N/A	40 CFR Part 60, Subpart F	Not an affected source since drop is not a part of the affected conveying system.
FGSP-3	N/A	40 CFR Part 63, Subpart LLL	Not an affected source since drop is not a part of the affected conveying system.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FMSSP-2	N/A	40 CFR Part 60, Subpart F	Source is not a part of the affected loading/unloading system.
FMSSP-2	N/A	40 CFR Part 63, Subpart LLL	Source is not a part of the affected loading/unloading system.
FMSSP-3	N/A	40 CFR Part 60, Subpart F	Source is not a part of the affected loading/unloading system.
FMSSP-3	N/A	40 CFR Part 63, Subpart LLL	Source is not a part of the affected loading/unloading system.
FMSSP-4	N/A	40 CFR Part 60, Subpart F	Source is not a part of the affected loading/unloading system.
FMSSP-4	N/A	40 CFR Part 63, Subpart LLL	Source is not a part of the affected loading/unloading system.
FMSSP-T	N/A	40 CFR Part 60, Subpart F	Source is not a part of the affected loading/unloading system.
FMSSP-T	N/A	40 CFR Part 60, Subpart OOO	Truck loading operation is not enclosed.
FMSSP-T	N/A	40 CFR Part 63, Subpart LLL	Source is not a part of the affected loading/unloading system.
FQ-CKD	N/A	40 CFR Part 60, Subpart F	Not an affected source since drop is not a part of the affected conveying system.
FQ-CKD	N/A	40 CFR Part 60, Subpart OOO	Operation does not qualify as a storage bin per definition in 40 CFR 60.671.
FQ-CKD	N/A	40 CFR Part 63, Subpart LLL	Not an affected source since drop is not a part of the affected conveying system.
FRB-3	N/A	40 CFR Part 60, Subpart F	Not an affected source since drop is not a part

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			of the affected conveying system.
FRB-3	N/A	40 CFR Part 63, Subpart LLL	Not an affected source since drop is not a part of the affected conveying system.
FSASP-2	N/A	40 CFR Part 60, Subpart F	Not an affected source since drop is not a part of the affected conveying system.
FSASP-2	N/A	40 CFR Part 63, Subpart LLL	Not an affected source since drop is not a part of the affected conveying system.
GBH-1	N/A	40 CFR Part 60, Subpart F	Constructed or modified on or before August 17, 1971
GEF-3	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
GEF-3	N/A	40 CFR Part 60, Subpart OOO	Facility constructed on or before 8/31/1983.
GEF-9	N/A	40 CFR Part 60, Subpart F	Not an affected source since CKD is not a finished product.
GEF-9	N/A	40 CFR Part 60, Subpart OOO	Operation does not consist of non-metallic mineral processing.
GEF-9	N/A	40 CFR Part 63, Subpart LLL	Not an affected source since CKD is not a finished product.
GID34EX	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
GID5EX	N/A	40 CFR Part 60, Subpart F	Constructed or modified on or before August 17, 1971
GID5EX/GID6EX	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GID6EX	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
GRP1	FCLB-1, FCLB-3, FCLB-4, FCLB-5, FCLSP-2, FCLT-1, FGSP-4, FLO-1, FLO-2, FLO-3, FLO-4, FMS-1, FMS-3, FMS-4, FMSSP-1, FMSSP-5, FSASP-1, FTP-1, FTP-2, GEF-11, GEF-12, GEF-13, GEF-14, GEF-15, GEF-16, GEF-17, GEF-18, GEF-19, GEF-20, GEF-21, GEF-22, GEF-23, GEF-24, GEF-25, GEF-26, GEF-27, GEF-28, GTP-1, GTP-2, GTP-3, KBH-1, KBH-12, KBH-13, KBH-17, KBH-18, KBH-8, KCD-1, KCD-2, KEF-11, KEF-14, KEF-15	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
GRP1	FCLB-1, FCLB-3, FCLB-4, FCLB-5, FCLSP-2, FCLT-1, FGSP-4, FLO-1, FLO-2, FLO-3, FLO-4, FMS-1, FMS-3, FMS-4, FMSSP-1, FMSSP-5, FSASP-1, FTP-1, FTP-2, GEF-11, GEF-12, GEF-13, GEF-14, GEF-15, GEF-16, GEF-17, GEF-18, GEF-19, GEF-20, GEF-21, GEF-22, GEF-23, GEF-24, GEF-25, GEF-26, GEF-27, GEF-28, GTP-1, GTP-2, GTP-3,	40 CFR Part 60, Subpart OOO	Facility constructed on or before 8/31/1983.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	KBH-1, KBH-12, KBH-13, KBH-17, KBH-18, KBH-8, KCD-1, KCD-2, KEF-11, KEF-14, KEF-15		
GRP2	FRB-1, FRB-2, FRB-4, FRB-5, FSASP-7	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
GRP2	FRB-1, FRB-2, FRB-4, FRB-5, FSASP-7	40 CFR Part 60, Subpart OOO	Facility constructed on or before 8/31/1983.
GRP3	FCP-2, FCP-5, FCP-6, FCP-7	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
GRP3	FCP-2, FCP-5, FCP-6, FCP-7	40 CFR Part 63, Subpart LLL	Not a part of affected loading/unloading system.
KBH-9	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
KEF-10	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
KEF-3	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
KEF-4	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
KEF-5	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
KEF-6	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
KEF-7	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			requirements under 40 CFR.
KEF-9	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
KILN3	N/A	40 CFR Part 60, Subpart F	Source is subject to more stringent requirements under 40 CFR.
SCREEN	N/A	40 CFR Part 60, Subpart OOO	Operation does not qualify as a screening operation per definition in 40 CFR 60.671,
TDTK-1	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TDTK-2	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TDTK-3	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TGATK-1	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TGTK-1	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TKTK-1	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.
TWOTK1	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons.

New Source Review Authorization References

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New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: GHGPSDTX110	Issuance Date: 02/28/2018
PSD Permit No.: PSDTX24M2	Issuance Date: 02/28/2018
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 145977	Issuance Date: 01/03/2019
Authorization No.: 5296	Issuance Date: 02/28/2018
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.144	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000
Number: 84	Version No./Date: 09/23/1982
Number: 106	Version No./Date: 04/05/1995
Number: 118	Version No./Date: 04/05/1995
Number: 124	Version No./Date: 05/12/1981

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
31EF-1	COAL BIN #1 BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
31EF-2	COAL BIN #2 BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
31EF-3	NEW COAL MILL STACK	5296, PSDTX24M2, GHGPSDTX110
CEF-1	CRUSHER BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
CEF-2	DROP TO CRUSHER HOPPER	5296, PSDTX24M2, GHGPSDTX110
CEF-3	HOPPER DROP TO CRUSHER	5296, PSDTX24M2, GHGPSDTX110
CEF-4	PRE-RAW MILL CRUSHER BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
CPT-1	CLINKER PIT DROP AND STORAGE	5296, PSDTX24M2, GHGPSDTX110
CT-1	COOLING TOWER #1	106.371/09/04/2000
CT-2	COOLING TOWER #2	106.371/09/04/2000
DEF-1	TRANSFER CONVEYOR BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
DEF-2	SURGE BIN BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
DEG-1	DEGREASER #1	106.454/11/01/2001
DEG-2	DEGREASER #2	106.454/11/01/2001
DEG-3	DEGREASER #3	106.454/11/01/2001
DEG-4	DEGREASER #4	106.454/11/01/2001
DTP-1	DBC-3 DROP TO ROLL CRUSHER	5296, PSDTX24M2, GHGPSDTX110
DTP-2	SURGE BIN DROP TO DWB2	5296, PSDTX24M2, GHGPSDTX110
DTP-3	DWB-2 DROP TO DE-2	5296, PSDTX24M2, GHGPSDTX110
DTP-4	ELEVATOR DE2 DROP TO DBC7	5296, PSDTX24M2, GHGPSDTX110
EEF-11	#5 SEPARATOR BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
EEF-12	#5 FINISH MILL BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-13	TRANSFER TUNNEL BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-14	TRANSFER TUNNEL BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-1	AIR SEPARATOR BAG HOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-2	#2 SEPARATOR BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-3	RAW MILL #1 BAG HOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-4	#2 FINISH MILL BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-5	#3 FINISH MILL BAG HOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-6	#3 SEPARATOR BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-8	AIR SEPARATOR BAG HOUSE	5296, PSDTX24M2, GHGPSDTX110
EEF-9	RAW MILL #4 BAG HOUSE	5296, PSDTX24M2, GHGPSDTX110
ENG-1	KILN NO. 1 EMERGENCY ENGINE	106.511/09/04/2000
ENG-2	KILN NO. 2 EMERGENCY ENGINE	106.511/09/04/2000
ENG-3	COOLING WATER EMERGENCY ENGINE	106.511/09/04/2000
FC-1	QUARRY TRUCK LOADING	5296, PSDTX24M2, GHGPSDTX110
FCKD-1	CKD DROP TO HAUL TRUCK	5296, PSDTX24M2, GHGPSDTX110
FCLB-1	CLINKER TO VIBRATING BELT	124/05/12/1981
FCLB-2	COOLER DROP TO DRAG CHAIN	5296, PSDTX24M2, GHGPSDTX110
FCLB-3	#1 COOLER SYSTEM DROPS TO CLINKER BELT	5296, PSDTX24M2, GHGPSDTX110
FCLB-4	#2 COOLER SYSTEM DROPS TO CLINKER BELT	5296, PSDTX24M2, GHGPSDTX110
FCLB-5	DROP TO TRAVELING BELT	5296, PSDTX24M2, GHGPSDTX110

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FCLCP	CLINKER DROP TO STORAGE BUILDING	5296, PSDTX24M2, GHGPSDTX110
FCLSP-2	GYPSUM BUILDING WINDBLOWN FUGITIVE	5296, PSDTX24M2, GHGPSDTX110
FCLSP-3	CLINKER OUTSIDE STORAGE PILE	5296, PSDTX24M2, GHGPSDTX110
FCLT-1	CLINKER BUILDING TUNNEL FUGITIVES	5296, PSDTX24M2, GHGPSDTX110
FCP-1B	RAIL HOPPER DROP TO BELT	5296, PSDTX24M2, GHGPSDTX110
FCP-1	RAILCAR COAL UNLOADING DROP	5296, PSDTX24M2, GHGPSDTX110
FCP-2	BELT TRANSFER DROP	5296, PSDTX24M2, GHGPSDTX110
FCP-5	DROP TO CONVEYOR HOPPER	5296, PSDTX24M2, GHGPSDTX110
FCP-6	HOPPER DROP TO CONVEYOR	5296, PSDTX24M2, GHGPSDTX110
FCP-7	CONVEYOR TRANSFER	5296, PSDTX24M2, GHGPSDTX110
FCPT	TRUCK UNLOADING DROP	5296, PSDTX24M2, GHGPSDTX110
FCPW-1	COAL PILES WIND BLOWN FUGITIVES	5296, PSDTX24M2, GHGPSDTX110
FEF-1	BLENDING SILOS BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
FEF-2	FEED SYSTEM BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
FGSP-1	ADDITIVE RAIL UNLOADING DROP	5296, PSDTX24M2, GHGPSDTX110
FGSP1-T	GYPSUM TRUCK UNLOADING	5296, PSDTX24M2, GHGPSDTX110
FGSP-2	LOADER DROP TO STORAGE PILES	5296, PSDTX24M2, GHGPSDTX110
FGSP-3	LOADER DROP TO FEEDER PILES	5296, PSDTX24M2, GHGPSDTX110
FGSP-4	ADDITIVE PILES WINDBLOWN FUGITIVE	5296, PSDTX24M2, GHGPSDTX110
FLO-1	TRUCK AND RAIL LOADOUT FUGITIVES	5296, PSDTX24M2, GHGPSDTX110
FLO-2	BULK TRUCK LOADING FUGITIVE	5296, PSDTX24M2, GHGPSDTX110

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FLO-3	BULK RAIL UNLOADING FUGITIVE	5296, PSDTX24M2, GHGPSDTX110
FLO-4	RICH MORTAR SPOUT	5296, PSDTX24M2, GHGPSDTX110
FMS-1	RAW STORAGE WIND BLOWN FUG.	5296, PSDTX24M2, GHGPSDTX110
FMS-3	LOADER DROP TO AUX. BELT HOPPER	5296, PSDTX24M2, GHGPSDTX110
FMS-4	RAW BUILDING TUNNEL FUGITIVES	5296, PSDTX24M2, GHGPSDTX110
FMSSP-1	MILL SCALE/IRON ORE WIND BLOWN FUGITIVES	5296, PSDTX24M2, GHGPSDTX110
FMSSP-2	MILL SCALE / IRON UNLOADING FUGITIVES	5296, PSDTX24M2, GHGPSDTX110
FMSSP-3	LOADER DROP TO STORAGE PILES	5296, PSDTX24M2, GHGPSDTX110
FMSSP-4	LOADER DROP TO FEEDER PILES	5296, PSDTX24M2, GHGPSDTX110
FMSSP-5	MILL SCALE FEEDER DROP	5296, PSDTX24M2, GHGPSDTX110
FMSSP-T	MILL SCALE TRUCK UNLOADING	5296, PSDTX24M2, GHGPSDTX110
FQ-CKD	CKD STORAGE AND DROP IN QUARRY	5296, PSDTX24M2, GHGPSDTX110
FRB-1	CRUSHER DROP TO BELT	5296, PSDTX24M2, GHGPSDTX110
FRB-2	CRUSHER BELT TRANSFER POINT	5296, PSDTX24M2, GHGPSDTX110
FRB-3	RAW MATERIALS DROP TO PILES	5296, PSDTX24M2, GHGPSDTX110
FRB-4	AUX. HOPPER DROP TO BELT	5296, PSDTX24M2, GHGPSDTX110
FRB-5	DROP TO TRAVELING BELT	5296, PSDTX24M2, GHGPSDTX110
FSASP-1	SAND PILE WIND BLOWN FUGITIVES	5296, PSDTX24M2, GHGPSDTX110
FSASP-2	SAND DROP TO PILE	5296, PSDTX24M2, GHGPSDTX110
FSASP-7	SAND FEEDER BELT DROP	5296, PSDTX24M2, GHGPSDTX110
FTP-1	EAS-3 DROP TO FBC-1	5296, PSDTX24M2, GHGPSDTX110

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FTP-2	FBC-1 DROP TO FE-1	5296, PSDTX24M2, GHGPSDTX110
GBH-1	NO. 1 KILN BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
GEF-11	BELT TRANSFER BAG HOUSE	5296, PSDTX24M2, GHGPSDTX110
GEF-12	FINISH MIX SYSTEM BAG HOUSE	5296, PSDTX24M2, GHGPSDTX110
GEF-13	FINISH MIX SYSTEM BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
GEF-14	DENSE PHASE BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
GEF-15	BUCKET ELEVATOR NO. 1	5296, PSDTX24M2, GHGPSDTX110
GEF-16	BUCKET ELEVATOR NO. 2	5296, PSDTX24M2, GHGPSDTX110
GEF-17	BUCKET ELEVATOR NO. 3	5296, PSDTX24M2, GHGPSDTX110
GEF-18	OFF-SPEC CLINKER STORAGE SILO	5296, PSDTX24M2, GHGPSDTX110
GEF-19	CLINKER STORAGE SILO DUST COLLECTOR FAN #1	5296, PSDTX24M2, GHGPSDTX110
GEF-20	CLINKER STORAGE SILO DUST COLLECTOR FAN #2	5296, PSDTX24M2, GHGPSDTX110
GEF-21	CLINKER STORAGE SILO DUST COLLECTOR FAN #3	5296, PSDTX24M2, GHGPSDTX110
GEF-22	CLINKER RECLAIM DUST COLLECTOR FAN #1	5296, PSDTX24M2, GHGPSDTX110
GEF-23	CLINKER RECLAIM DUST COLLECTOR FAN #2	5296, PSDTX24M2, GHGPSDTX110
GEF-24	CLINKER RECLAIM DUST COLLECTOR FAN #3	5296, PSDTX24M2, GHGPSDTX110
GEF-25	CLINKER RECLAIM DUST COLLECTOR FAN #4	5296, PSDTX24M2, GHGPSDTX110
GEF-26	KILN #3 COOLER DISCHARGE	5296, PSDTX24M2, GHGPSDTX110
GEF-27	KILN #3 CLINKER TRANSFER TOWER	5296, PSDTX24M2, GHGPSDTX110
GEF-28	KILN #3 CLINKER DIVERter GATE	5296, PSDTX24M2, GHGPSDTX110
GEF-3	CLINKER BELT TRANSFER BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
GEF-9	CKD BIN BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
GID34EX	NO. 2 KILN STACK	5296, PSDTX24M2, GHGPSDTX110
GID5EX/GID6EX	#3 CLINKER COOLER STACK	5296, PSDTX24M2, GHGPSDTX110
GID5EX	NO. 1 CLINKER COOLER BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
GID6EX	NO. 2 CLINKER COOLER STACK	5296, PSDTX24M2, GHGPSDTX110
GTP-1	GBC-4 TO GBC-13 TP	5296, PSDTX24M2, GHGPSDTX110
GTP-2	GBC-13 / GBC-20 DROP TO TURN HEAD	5296, PSDTX24M2, GHGPSDTX110
GTP-3	GBC-14 DROP TO GBC-6	5296, PSDTX24M2, GHGPSDTX110
KBH-12	RICH MORTAR SPOUT BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KBH-13	TRUCK LOADING SPOUT BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KBH-17	CEMENT LOADING SPOUT	5296, PSDTX24M2, GHGPSDTX110
KBH-18	CEMENT LOADOUT BINS	5296, PSDTX24M2, GHGPSDTX110
KBH-1	AIRSLIDE KAS3 BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KBH-8	AIRSLIDE TO TRUCK LOADOUT	5296, PSDTX24M2, GHGPSDTX110
KBH-9	CEMENT SILOS & CEMENT UNLOADING BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KCD-1	BAGGING MACHINE	5296, PSDTX24M2, GHGPSDTX110
KCD-2	RICH MORTAR BAGGING MACHINE	5296, PSDTX24M2, GHGPSDTX110
KEF-10	TOP OF SILO EQUIPMENT BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KEF-11	TOP OF SILO EQUIPMENT BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KEF-14	CEMENT SILO #3 BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KEF-15	CEMENT SILO #4 BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
KEF-3	PACKER #2 OVERFLOW ELEVATOR BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KEF-4	PACKER #1 OVERFLOW ELEVATOR BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KEF-5	PACKER #1 FEED ELEVATOR BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KEF-6	PACKER #2 FEED ELEVATOR BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KEF-7	TRUCK LOADOUT BAGHOUSE	5296, PSDTX24M2, GHGPSDTX110
KEF-9	SILO #11 AND #12 BAGHOUSE	084/09/23/1982
KILN3	KILN NO. 3	5296, PSDTX24M2, GHGPSDTX110
SCREEN	MATERIAL SCREENING	5296, PSDTX24M2, GHGPSDTX110
TDTK-1	7000 GAL DIESEL TANK	106.472/09/04/2000
TDTK-2	5900 GAL DIESEL STORAGE TANK	106.472/09/04/2000
TDTK-3	10,000 GAL DIESEL STORAGE TANK	106.472/09/04/2000
TGATK-1	10,000 GAL DIESEL/GRINDING AID STORAGE TANK	106.472/09/04/2000
TGTK-1	7,000 GAL GASOLINE STORAGE TANK	106.473/09/04/2000
TKTK-1	KEROSENE STORAGE TANK	106.472/09/04/2000
TWOTK1	WASTE OIL STORAGE TANK	106.472/09/04/2000

Appendix A

Acronym List 86

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
CEMS	continuous emissions monitoring system
CFR	Code of Federal Regulations
COMS	continuous opacity monitoring system
CVS	closed vent system
D/FW	Dallas/Fort Worth (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H ₂ S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MACT	Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr	Million British thermal units per hour
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NESHAP	National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO _x	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PEMS	predictive emissions monitoring system
PM	particulate matter
ppmv	parts per million by volume
PRO	process unit
PSD	prevention of significant deterioration
psia	pounds per square inch absolute
SIP	state implementation plan
SO ₂	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound

Appendix B

Major NSR Summary Table 88

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
KILN3	Kiln No. 3	PM	41.25	173.25	13, 16, 32, 40, 41, 42, 44, 45, 47	13, 16, 40, 41, 42, 44, 51	13, 40, 42, 44
		PM ₁₀	41.25	173.25			
		PM _{2.5}	38.50	161.70			
		NO _x (8)	206.25	866.25			
		SO ₂ (8)	55.00	231.00			
		VOC (8)	13.95	58.57			
		CO (8)	206.25	866.25			
		H ₂ SO ₄	1.31	5.49			
		HCl (8)	1.74	7.32			
		NH ₃ (8)	13.75	57.75			
		Hg (8)	0.01	0.01			
EEF-8	Air Separator Baghouse	PM	2.83	12.39	13, 43	13, 43, 51	13
		PM ₁₀	2.83	12.39			
		PM _{2.5}	0.71	3.10			
		NO _x	3.92	17.18			
		SO ₂	0.02	0.10			
		VOC	0.22	0.94			
		CO	3.29	14.43			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
CEF-1	Crusher Baghouse	PM	1.29	5.40		51	
		PM ₁₀	1.29	5.40			
		PM _{2.5}	0.32	1.35			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
CEF-2	Drop to Crusher Hopper (7)	PM	1.68	2.45		GC 7	
		PM ₁₀	0.79	1.16			
		PM _{2.5}	0.12	0.18			
CEF-3	Hopper Drop to Crusher (7)	PM	3.35	4.90		GC 7	
		PM ₁₀	1.59	2.32			
		PM _{2.5}	0.24	0.35			
CEF-4	Pre-Raw Mill Crusher Baghouse	PM	0.10	0.45	13	13, 51	13
		PM ₁₀	0.10	0.45			
		PM _{2.5}	0.03	0.11			
DEF-1	Transfer Conveyor Baghouse	PM	0.45	1.95	13, 43	13, 43, 51	13
		PM ₁₀	0.45	1.95			
		PM _{2.5}	0.11	0.49			
DEF-2	Surge Bin Baghouse	PM	0.18	0.79	13, 43	13, 43, 51	13
		PM ₁₀	0.18	0.79			
		PM _{2.5}	0.05	0.20			
EEF-1	Air Separator Baghouse	PM	1.85	7.78	13, 43	13, 43, 51	13
		PM ₁₀	1.85	7.78			
		PM _{2.5}	0.46	1.94			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
		NO _x	3.92	17.18			
		CO	3.29	14.43			
		SO ₂	0.02	0.10			
		VOC	0.22	0.94			
31EF-1	Coal Bin #1 Baghouse	PM	0.09	0.38	13, 44	13, 44, 51	13, 44
		PM ₁₀	0.09	0.38			
		PM _{2.5}	0.02	0.09			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
31EF-2	Coal Bin #2 Baghouse	PM	0.09	0.38	13, 44	13, 44, 51	13, 44
		PM ₁₀	0.09	0.38			
		PM _{2.5}	0.02	0.09			
31EF-3	New Coal Mill Stack	PM	1.03	4.51	13	13, 51	13
		PM ₁₀	1.03	4.51			
		PM _{2.5}	0.26	1.13			
EEF-11	#5 Separator Baghouse	PM	2.77	12.12	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	2.77	12.12			
		PM _{2.5}	0.69	3.03			
EEF-12	#5 Finish Mill Baghouse	PM	1.21	5.29	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	1.21	5.29			
		PM _{2.5}	0.30	1.32			
EEF-13	Transfer Tunnel Baghouse	PM	0.30	1.31	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.30	1.31			
		PM _{2.5}	0.08	0.33			
EEF-14	Transfer Tunnel Baghouse	PM	0.30	1.31	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.30	1.31			
		PM _{2.5}	0.08	0.33			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
EEF-2	#2 Separator Baghouse	PM	1.85	8.11	13, 43	13, 43, 51	13
		PM ₁₀	1.85	8.11			
		PM _{2.5}	0.46	2.03			
EEF-3	Raw Mill #1 Baghouse	PM	0.62	2.59	13, 43	13, 43, 51	13
		PM ₁₀	0.62	2.59			
		PM _{2.5}	0.15	0.65			
EEF-4	#2 Finish Mill Baghouse	PM	0.62	2.70	13, 43	13, 43, 51	13
		PM ₁₀	0.62	2.70			
		PM _{2.5}	0.15	0.68			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
EEF-5	#3 Finish Mill Baghouse	PM	1.29	5.63	13, 43	13, 43, 51	13
		PM ₁₀	1.29	5.63			
		PM _{2.5}	0.32	1.41			
EEF-6	#3 Separator Baghouse	PM	0.69	3.02	13, 43	13, 43, 51	13
		PM ₁₀	0.69	3.02			
		PM _{2.5}	0.17	0.75			
EEF-9	Raw Mill #4 Baghouse	PM	1.03	4.51	13, 43	13, 43, 51	13
		PM ₁₀	1.03	4.51			
		PM _{2.5}	0.26	1.13			
FC-1	Quarry Truck Loading (7)	PM	11.18	16.32		GC 7	
		PM ₁₀	5.29	7.72			
		PM _{2.5}	0.80	1.17			
FCKD-1	CKD Drop to Haul Truck (7)	PM	< 0.01	< 0.01		GC 7	
		PM ₁₀	< 0.01	< 0.01			
		PM _{2.5}	< 0.01	< 0.01			
FCLB-2	Cooler Drop to Drag Chain (7)	PM	0.22	0.94	13, 43	13, 43, 51	13
		PM ₁₀	0.10	0.45			
		PM _{2.5}	0.02	0.07			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FCLB-4	#2 Cooler System Drops to Clinker Belt (7)	PM	0.22	1.74	13, 43	13, 43, 51	13
		PM ₁₀	0.10	0.82			
		PM _{2.5}	0.02	0.12			
FCLSP-2	Gypsum Building Windblown Fugitive (7)	PM	<0.01	0.03	13, 43	13, 43, 51	13
		PM ₁₀	<0.01	0.01			
		PM _{2.5}	<0.01	<0.01			
FCLSP-3	Clinker Outside Storage Pile (7)	PM	<0.01	0.19	13, 43	13, 43, 51	13
		PM ₁₀	<0.01	0.09			
		PM _{2.5}	<0.01	0.01			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FCLT-1	Clinker Building Tunnel Fugitives (7)	PM	0.15	0.04	13, 43	13, 43, 51	13
		PM ₁₀	0.07	0.02			
		PM _{2.5}	0.01	<0.01			
FCP-1	Railcar Coal Unloading Drop (7)	PM	0.06	0.04	13	13, 51	13
		PM ₁₀	0.03	0.02			
		PM _{2.5}	<0.01	<0.01			
FCP-1B	Rail Hopper Drop to Belt (7)	PM	0.06	0.04	13, 43	13, 43, 51	13
		PM ₁₀	0.03	0.02			
		PM _{2.5}	<0.01	<0.01			
FCP-2	Belt Transfer Drop (7)	PM	0.21	0.14	13, 43	13, 43, 51	13
		PM ₁₀	0.10	0.07			
		PM _{2.5}	0.01	0.01			
FCP-5	Drop to Conveyor Hopper (7)	PM	0.21	0.14	13, 43	13, 43, 51	13
		PM ₁₀	0.10	0.07			
		PM _{2.5}	0.01	0.01			
FCP-6	Hopper Drop to Conveyor (7)	PM	0.21	0.14	13, 43	13, 43, 51	13
		PM ₁₀	0.10	0.07			
		PM _{2.5}	0.01	0.01			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FCP-7	Conveyor Transfer (7)	PM	0.21	0.14	13, 43	13, 43, 51	13
		PM ₁₀	0.10	0.07			
		PM _{2.5}	0.01	0.01			
FCPT	Truck Unloading Drop (7)	PM	0.64	0.93		GC 7	
		PM ₁₀	0.30	0.44			
		PM _{2.5}	0.05	0.07			
FCPW-1	Coal Piles Windblown Fugitive (7)	PM	<0.01	0.23		GC 7	
		PM ₁₀	<0.01	0.11			
		PM _{2.5}	<0.01	0.02			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FEF-1	Blending Silos Baghouse	PM	1.29	5.63	13, 43	13, 43, 51	13
		PM ₁₀	1.29	5.63			
		PM _{2.5}	0.32	1.41			
FEF-2	Feed System Baghouse	PM	0.51	2.25	13, 43	13, 43, 51	13
		PM ₁₀	0.51	2.25			
		PM _{2.5}	0.13	0.56			
FEF-3	Kiln #3 Kiln Feed Fan #1	PM	0.03	0.14		GC 7	
		PM ₁₀	0.03	0.14			
		PM _{2.5}	0.01	0.03			
FEF-4	Kiln #3 Kiln Feed Fan #2	PM	0.21	0.90		GC 7	
		PM ₁₀	0.21	0.90			
		PM _{2.5}	0.05	0.23			
FEF-5	Kiln #3 Kiln Feed Fan #3	PM	0.13	0.56		GC 7	
		PM ₁₀	0.13	0.56			
		PM _{2.5}	0.03	0.14			
FGSP-1	Additive Rail Unloading Drop (7)	PM	0.15	0.21		GC 7	
		PM ₁₀	0.07	0.10			
		PM _{2.5}	0.01	0.01			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FGSP-2	Loader Drop to Storage Piles (7)	PM	0.17	0.07		GC 7	
		PM ₁₀	0.08	0.03			
		PM _{2.5}	0.01	<0.01			
FGSP-3	Loader Drop to Feeder Piles (7)	PM	0.17	0.07		GC 7	
		PM ₁₀	0.08	0.03			
		PM _{2.5}	0.01	<0.01			
FGSP-4	Additive Piles Windblown Fugitive (7)	PM	<0.01	0.02	13, 43	13, 43, 51	13
		PM ₁₀	<0.01	0.01			
		PM _{2.5}	<0.01	<0.01			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FGSP1-T	Gypsum Truck Unloading (7)	PM	0.01	0.01		GC 7	
		PM ₁₀	0.01	0.01			
		PM _{2.5}	<0.01	<0.01			
FLO-1	Truck and Rail Loadout Fugitive (7)	PM	0.19	0.28	13, 43	13, 43, 51	13
		PM ₁₀	0.09	0.13			
		PM _{2.5}	0.01	0.02			
FLO-2	Bulk Truck Loading Fugitive (7)	PM	1.73	2.52	13, 43	13, 43, 51	13
		PM ₁₀	0.82	1.19			
		PM _{2.5}	0.12	0.18			
FLO-3	Bulk Rail Unloading Fugitive (7)	PM	0.73	2.52	13, 43	13, 43, 51	13
		PM ₁₀	0.34	1.19			
		PM _{2.5}	0.05	0.18			
FMS-1	Raw Storage Wind Blown Fug. (7)	PM	<0.01	0.07	13, 43	13, 43, 51	13
		PM ₁₀	<0.01	0.03			
		PM _{2.5}	<0.01	<0.01			
FMS-3	Loader Drop to Aux. Belt Hopper (7)	PM	0.07	0.10	13, 43	13, 43, 51	13
		PM ₁₀	0.03	0.05			
		PM _{2.5}	<0.01	0.01			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FMS-4	Raw Building Tunnel Fugitives (7)	PM	0.44	1.63	13, 43	13, 43, 51	13
		PM ₁₀	0.21	0.77			
		PM _{2.5}	0.03	0.12			
FMSSP-1	Mill Scale/Iron ore Wind Blown Fugitives (7)	PM	<0.01	0.06	13, 43	13, 43, 51	13
		PM ₁₀	<0.01	0.03			
		PM _{2.5}	<0.01	<0.01			
FMSSP-2	Mill Scale / Iron Unloading Fugitives (7)	PM	0.08	0.12		GC 7	
		PM ₁₀	0.04	0.06			
		PM _{2.5}	0.01	0.01			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FMSSP-3	Loader Drop to Storage Piles (7)	PM	0.03	0.04		GC 7	
		PM ₁₀	0.01	0.02			
		PM _{2.5}	<0.01	<0.01			
FMSSP-4	Loader Drop to Feeder Piles (7)	PM	0.03	0.04		GC 7	
		PM ₁₀	0.01	0.02			
		PM _{2.5}	<0.01	<0.01			
FMSSP-5	Mill Scale Feeder Drop (7)	PM	0.03	0.04	13, 43	13, 43, 51	13
		PM ₁₀	0.01	0.02			
		PM _{2.5}	<0.01	<0.01			
FMSSP-T	Mill Scale Truck Unloading (7)	PM	0.02	0.03		GC 7	
		PM ₁₀	0.01	0.01			
		PM _{2.5}	<0.01	<0.01			
FQ-CKD	CKD Storage and Drop in Quarry (7)	PM	<0.01	0.27		GC 7	
		PM ₁₀	<0.01	0.13			
		PM _{2.5}	<0.01	0.02			
FRB-1	Crusher Drop to Belt (7)	PM	1.12	1.63	13, 43	13, 43, 51	13
		PM ₁₀	0.53	0.77			
		PM _{2.5}	0.08	0.12			

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Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FRB-2	Crusher Belt Transfer Point (7)	PM	0.50	0.73	13, 43	13, 43, 51	13
		PM ₁₀	0.24	0.35			
		PM _{2.5}	0.04	0.05			
FRB-3	Raw Materials Drop to Piles (7)	PM	1.59	1.03		GC 8	
		PM ₁₀	0.75	0.49			
		PM _{2.5}	0.11	0.07			
FRB-4	Aux. Hopper Drop to Belt (7)	PM	0.03	0.05	13, 43	13, 43, 51	13
		PM ₁₀	0.02	0.02			
		PM _{2.5}	<0.01	<0.01			

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Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FRB-5	Drop to Traveling Belt (7)	PM	1.12	1.63	13, 43	13, 43, 51	13
		PM ₁₀	0.53	0.77			
		PM _{2.5}	0.08	0.12			
FSASP-1	Sand Pile Wind Blown Fugitives (7)	PM	<0.01	0.14	13, 43	13, 43, 51	13
		PM ₁₀	<0.01	0.07			
		PM _{2.5}	<0.01	0.01			
FSASP-2	Sand Drop to Pile (7)	PM	0.01	0.02	GC 7	GC 7	
		PM ₁₀	0.01	0.01			
		PM _{2.5}	<0.01	<0.01			
FSASP-7	Sand Feeder Belt Drop (7)	PM	0.01	0.02	13, 43	13, 43, 51	13
		PM ₁₀	0.01	0.01			
		PM _{2.5}	<0.01	<0.01			
GEF-11	Belt Transfer Baghouse	PM	0.27	1.20	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.27	1.20			
		PM _{2.5}	0.07	0.30			
GEF-12	Finish Mix System Baghouse	PM	0.27	1.20	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.27	1.20			
		PM _{2.5}	0.07	0.30			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
GEF-13	Finish Mix System Baghouse	PM	1.28	5.59	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	1.28	5.59			
		PM _{2.5}	0.32	1.40			
GEF-14	Dense Phase Baghouse	PM	0.20	0.86	13, 43	13, 43, 51	13
		PM ₁₀	0.20	0.86			
		PM _{2.5}	0.05	0.22			
GEF-15	Bucket Elevator No. 1	PM	0.12	0.53	13, 43	13, 43, 51	13
		PM ₁₀	0.12	0.53			
		PM _{2.5}	0.03	0.13			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
GEF-16	Bucket Elevator No. 2	PM	0.12	0.51	13, 43	13, 43, 51	13
		PM ₁₀	0.12	0.51			
		PM _{2.5}	0.03	0.13			
GEF-17	Bucket Elevator No. 3	PM	0.15	0.63	13, 43	13, 43, 51	13
		PM ₁₀	0.15	0.63			
		PM _{2.5}	0.04	0.16			
GEF-18	Off-Spec Clinker Storage Silo	PM	0.31	1.35	13, 43	13, 43, 51	13
		PM ₁₀	0.31	1.35			
		PM _{2.5}	0.08	0.34			
GEF-19	Clinker Storage Silo Dust Collector Fan #1	PM	0.09	0.38	13, 43	13, 43, 51	13
		PM ₁₀	0.09	0.38			
		PM _{2.5}	0.02	0.10			
GEF-20	Clinker Storage Silo Dust Collector Fan #2	PM	0.12	0.52	13, 43	13, 43, 51	13
		PM ₁₀	0.12	0.52			
		PM _{2.5}	0.03	0.13			
GEF-21	Clinker Storage Silo Dust Collector Fan #3	PM	0.15	0.65	13, 43	13, 43, 51	13
		PM ₁₀	0.15	0.65			
		PM _{2.5}	0.04	0.16			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
GEF-22	Clinker Reclaim Dust Collector Fan #1	PM	0.02	0.08	13, 43	13, 43, 51	13
		PM ₁₀	0.02	0.08			
		PM _{2.5}	<0.01	0.02			
GEF-23	Clinker Reclaim Dust Collector Fan #2	PM	0.02	0.08	13, 43	13, 43, 51	13
		PM ₁₀	0.02	0.08			
		PM _{2.5}	<0.01	0.02			
GEF-24	Clinker Reclaim Dust Collector Fan #3	PM	0.02	0.08	13, 43	13, 43, 51	13
		PM ₁₀	0.02	0.08			
		PM _{2.5}	<0.01	0.02			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
GEF-25	Clinker Reclaim Dust Collector Fan #4	PM	0.13	0.54	13, 43	13, 43, 51	13
		PM ₁₀	0.13	0.54			
		PM _{2.5}	0.03	0.14			
GEF-26	Kiln # 3 Cooler Discharge	PM	0.28	1.24	13, 43	13, 43, 51	13
		PM ₁₀	0.28	1.24			
		PM _{2.5}	0.07	0.31			
GEF-27	Kiln #3 Clinker Transfer Tower	PM	0.09	0.41	13, 43	13, 43, 51	13
		PM ₁₀	0.09	0.41			
		PM _{2.5}	0.02	0.10			
GEF-28	Kiln #3 Clinker Diverter Gate	PM	0.19	0.81	13, 43	13, 43, 51	13
		PM ₁₀	0.19	0.81			
		PM _{2.5}	0.05	0.20			
GEF-3	Clinker Belt Transfer Baghouse	PM	0.51	2.25	13, 43	13, 43, 51	13
		PM ₁₀	0.51	2.25			
		PM _{2.5}	0.13	0.56			
CRC-1	Clinker Roller Crusher Feed Fan	PM	0.15	0.65		GC 7	
		PM ₁₀	0.15	0.65			
		PM _{2.5}	0.04	0.16			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
CRC-2	Clinker Roller Crusher Fan	PM	0.21	0.90		GC 7	
		PM ₁₀	0.21	0.90			
		PM _{2.5}	0.05	0.23			
CRC-3	Clinker Roller Crusher Discharge Fan	PM	0.15	0.65		GC 7	
		PM ₁₀	0.15	0.65			
		PM _{2.5}	0.04	0.16			
GEF-9	CKD Bin Baghouse	PM	0.26	1.13		51	
		PM ₁₀	0.26	1.13			
		PM _{2.5}	0.06	0.28			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
GID5EX/GID6EX	#3 Clinker Cooler Stack	PM	2.75	11.55	13, 31, 32, 41	13, 41, 51	13, 41
		PM ₁₀	2.10	8.80			
		PM _{2.5}	1.10	4.62			
GID6EX	#2 Clinker Cooler Stack	PM	6.27	27.44	13, 31, 32, 41	13, 41, 51	13, 41
		PM ₁₀	4.76	20.86			
		PM _{2.5}	2.51	10.98			
KBH-1	Airlide KAS3 Baghouse	PM	0.21	0.94	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.21	0.94			
		PM _{2.5}	0.05	0.23			
KBH-12	Rich Mortar Spout Baghouse	PM	0.15	0.65	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.15	0.65			
		PM _{2.5}	0.04	0.16			
KBH-13	Truck Loading Spout Baghouse	PM	0.17	0.75	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.17	0.75			
		PM _{2.5}	0.04	0.19			
KBH-8	Airlide to Truck Loadout	PM	0.12	0.53	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.12	0.53			
		PM _{2.5}	0.03	0.13			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
KBH-9	Cement Silos & Cement Unloading Baghouse	PM	0.23	0.12	13, 43	13, 43, 51	13
		PM ₁₀	0.23	0.12			
		PM _{2.5}	0.06	0.03			
KEF-10	Top of Silo Equipment Baghouse	PM	0.26	1.13	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.26	1.13			
		PM _{2.5}	0.06	0.28			
KEF-11	Top of Silo Equipment Baghouse	PM	0.26	1.13	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.26	1.13			
		PM _{2.5}	0.06	0.28			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
KEF-14	Cement Silo #3 Baghouse	PM	0.07	0.30	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.07	0.30			
		PM _{2.5}	0.02	0.08			
KEF-15	Cement Silo #4 Baghouse	PM	0.07	0.30	13, 43, 44	13, 43, 44, 51	13, 44
		PM ₁₀	0.07	0.30			
		PM _{2.5}	0.02	0.08			
KBH-18	Cement Loadout Bins	PM	0.17	0.75	13, 43	13, 43, 51	13
		PM ₁₀	0.17	0.75			
		PM _{2.5}	0.04	0.19			
KBH-17	Cement Loading Spout	PM	0.03	0.14	13, 43	13, 43, 51	13
		PM ₁₀	0.03	0.14			
		PM _{2.5}	0.01	0.03			
KEF-3	Packer #2 Overflow Elevator Baghouse	PM	1.03	4.32	13, 43	13, 43, 51	13
		PM ₁₀	1.03	4.32			
		PM _{2.5}	0.26	1.08			
KEF-4	Packer #1 Overflow Elevator Baghouse	PM	1.03	4.32	13, 43	13, 43, 51	13
		PM ₁₀	1.03	4.32			
		PM _{2.5}	0.26	1.08			

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			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
KEF-5	Packer #1 Feed Elevator Baghouse	PM	0.77	3.38	13, 43	13, 43, 51	13
		PM ₁₀	0.77	3.38			
		PM _{2.5}	0.19	0.84			
KEF-6	Packer #2 Feed Elevator Baghouse	PM	0.34	1.44	13, 43	13, 43, 51	13
		PM ₁₀	0.34	1.44			
		PM _{2.5}	0.09	0.36			
KEF-7	Truck and Railcar Loadout Baghouse	PM	0.51	2.16	13, 43	13, 43, 51	13
		PM ₁₀	0.51	2.16			
		PM _{2.5}	0.13	0.54			

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			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
SCREEN	Material Screening (7)	PM	0.02	0.02		GC 7	
		PM ₁₀	0.01	0.01			
		PM _{2.5}	<0.01	<0.01			
DAB-1	Dry Abrasive Blasting (7)	PM	0.04	0.07		GC 7	
		PM ₁₀	<0.01	0.01			
		PM _{2.5}	<0.01	<0.01			
DTP-1	DBC-3 Drop to Roll Crusher (7)	PM	0.11	0.38	13, 43	13, 43, 51	13
		PM ₁₀	0.05	0.18			
		PM _{2.5}	0.01	0.03			
DTP-2	Surge Bin Drop to DWB2 (7)	PM	0.09	0.38	13, 43	13, 43, 51	13
		PM ₁₀	0.04	0.18			
		PM _{2.5}	0.01	0.03			
DTP-3	DWB-2 Drop to DE-2 (7)	PM	0.09	0.38	13, 43	13, 43, 51	13
		PM ₁₀	0.04	0.18			
		PM _{2.5}	0.01	0.03			
DTP-4	Elevator DE2 Drop to DBC7 (7)	PM	0.09	0.38	13, 43	13, 43, 51	13
		PM ₁₀	0.04	0.18			
		PM _{2.5}	0.01	0.03			

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			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FTP-1	EAS-3 Drop to FBC-1 (7)	PM	0.09	0.38	13, 43	13, 43, 51	13
		PM ₁₀	0.04	0.18			
		PM _{2.5}	0.01	0.03			
FTP-2	FBC-1 Drop to FE-1 (7)	PM	0.11	0.38	13, 43	13, 43, 51	13
		PM ₁₀	0.05	0.18			
		PM _{2.5}	0.01	0.03			
GTP-1	GBC-4 to GBC-13 TP (7)	PM	0.10	0.23	13, 43	13, 43, 51	13
		PM ₁₀	0.05	0.11			
		PM _{2.5}	0.01	0.02			

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			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
GTP-2	GBC-13 / GBC-20 Drop to Turn Head (7)	PM	0.10	0.23	13, 43	13, 43, 51	13
		PM ₁₀	0.05	0.11			
		PM _{2.5}	0.01	0.02			
GTP-3	GBC-14 Drop to GBC-6 (7)	PM	0.04	0.09	13, 43	13, 43, 51	13
		PM ₁₀	0.02	0.04			
		PM _{2.5}	<0.01	0.01			
EBLG-1	Building Fugitives (7) GWB-1 Drop to GBC-14 (7) GWB-2 Drop to GBC-15 (7) GWB-3 Drop to GBC-16 (7) GWB-4 Drop to GBC-15 (7)	PM	0.22	0.73	19	19, 51	
		PM ₁₀	0.11	0.34			
		PM _{2.5}	0.02	0.05			
KCD-1	Bagging Machine (7)	PM	0.02	<0.01	13, 43	13, 43, 51	13
		PM ₁₀	0.01	<0.01			
		PM _{2.5}	<0.01	<0.01			
KCD-2	Rich Mortar Bagging Machine (7)	PM	0.01	<0.01	13, 43	13, 43, 51	13
		PM ₁₀	0.01	<0.01			
		PM _{2.5}	<0.01	<0.01			
FLO-4	Rich Mortar Spout (7)	PM	1.21	0.01	13, 43	13, 43, 51	13

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
ENG-5	Emergency Generator	PM ₁₀	0.57	0.01		GC 7	
		PM _{2.5}	0.09	<0.01			
		PM	0.18	0.01			
		PM ₁₀	0.18	0.01			
		PM _{2.5}	0.18	0.01			
		NO _x	3.50	0.17			
		CO	1.37	0.07			
		VOC	0.17	0.01			
		SO ₂	<0.01	<0.01			
		H ₂ SO ₄	<0.01	<0.01			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
MSSAMTK	Ammonia Tank Vessel Maintenance MSS (7)	NH ₃	1.32	0.03		51, 52	
MSS-CEMS	CEMS Calibration MSS Fugitives (7)	NO _x	<0.01	<0.01		51, 52	
		CO	<0.01	<0.01			
		VOC	<0.01	<0.01			
		SO ₂	<0.01	<0.01			
MSSFUG2	Non-Inherently Low Emitting Maintenance (7) Vacuum Truck Loading (7)	PM	0.73	1.06	37	37, 51, 52	
		PM ₁₀	0.73	1.06			
		PM _{2.5}	0.36	0.53			
MSSFUG1	Inherently Low Emitting Sitewide MSS Activities (ILE Activities) (7)	NO _x	0.02	<0.01	37	37, 51, 52	
		CO	0.41	0.01			
		PM	0.15	0.02			
		PM ₁₀	0.06	0.01			
		PM _{2.5}	0.03	<0.01			
		VOC	2.32	0.29			
FGL-1	Additives Loader Road Emissions (7)	PM	2.70	0.15		GC 7	
		PM ₁₀	1.20	0.67			
		PM _{2.5}	1.20	0.67			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
FCLCP	Clinker Drop to Storage Building (7)	PM	0.53	2.10	13, 43	13, 43, 51	13
		PM ₁₀	0.25	1.00			
		PM _{2.5}	0.25	1.00			
FCLB-5	Drop to Traveling Belt (7)	PM	0.88	3.51	13, 43	13, 43, 51	13
		PM ₁₀	0.41	1.66			
		PM _{2.5}	0.41	1.66			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
GID34EX	Kiln No. 2 Stack	PM	22.00	96.40	13, 15, 31, 41	13, 15, 41, 51	13
		PM ₁₀	10.00	43.80			
		PM _{2.5}	10.00	43.80			
		NO _x	446.40	1955.20			
		SO ₂	87.00	381.10			
		VOC	15.10	66.10			
		CO	95.90	420.00			
		H ₂ SO ₄	0.40	1.60			
GBH-1	Kiln No. 1 Baghouse (6)	PM	13.69	59.95	3, 13, 15, 31, 41	3, 13, 15, 41, 51	13
		PM ₁₀	13.69	59.95			
		PM _{2.5}	10.77	47.19			
		NO _x	358	1568			
		SO ₂	75	328.5			
		VOC	20	87.6			
		CO	200	876			
		H ₂ SO ₄	7.5	32.85			
		HCl	5.82	25.51			
		Pb	0.01	0.02			

Major NSR Summary Table

Permit Number: 5296, PSDTX24M2					Issuance Date: December 6, 2017		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	Spec. Cond.	Spec. Cond.	Spec. Cond.	Spec. Cond.
GID5EX	No. 1 Clinker Cooler Baghouse (6)	PM	3.87	16.93	13, 31, 32, 41	13, 41, 51	13
		PM ₁₀	3.87	16.93			
		PM _{2.5}	3.87	16.93			
FCLB-3	#1 Cooler System Drops to Clinker Belt (6) (7)	PM	0.26	0.96	13, 43	13, 43, 51	13
		PM ₁₀	0.12	0.46			
		PM _{2.5}	0.12	0.46			
CPT-1	Clinker Pit Drop and Storage (7)	PM	<0.01	0.02	13, 43	13, 43, 51	13
		PM ₁₀	<0.01	0.01			
		PM _{2.5}	<0.01	<0.01			

Footnotes:

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3)

VOC	-	volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO _x	-	total oxides of nitrogen
SO ₂	-	sulfur dioxide
PM	-	total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	-	total particulate matter equal to or less than 10 microns in diameter, including PM _{2.5} , as represented
PM _{2.5}	-	particulate matter equal to or less than 2.5 microns in diameter
CO	-	carbon monoxide
HCl	-	hydrogen chloride
NH ₃	-	ammonia
H ₂ SO ₄	-	sulfuric acid
Hg	-	mercury
Pb	-	lead
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned maintenance, startup, and shutdown (MSS) emissions are included.
- (6) Kiln No. 1 and indicated emission points are authorized by this permit until such time as Kiln No. 3 begins full operation.
- (7) Emission rate is an estimate and an enforceable limit. Fugitive emission compliance will be demonstrated through compliance with the applicable special condition(s) and permit application representations.
- (8) 30 day rolling average.

Major NSR Summary Table

Permit Number: GHGPSDTX110			Issuance Date: December 6, 2017			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
KILN3	Kiln No. 3 Stack	CO ₂ (5)	1,059,154	57, 58	58, 59, 60	58
		CH ₄ (5)	50.42			
		N ₂ O (5)	7.33			
		CO ₂ e	1,062,600			
EEF-8	Air Separator Baghouse	CO ₂ (5)	20,494		59, 60	
		CH ₄ (5)	0.39			
		N ₂ O (5)	0.04			
		CO ₂ e	20,516			
EEF-1	Air Separator Baghouse	CO ₂ (5)	20,494		59, 60	
		CH ₄ (5)	0.39			
		N ₂ O (5)	0.04			
		CO ₂ e	20,516			
ENG-5	Emergency Generator	CO ₂ (5)	12.98		59, 60	
		CH ₄ (5)	<0.01			
		N ₂ O (5)	<0.01			
		CO ₂ e	13			

Footnotes:

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) CO₂ - carbon dioxide
N₂O - nitrous oxide
CH₄ - methane
CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):
CO₂ (1), N₂O (298), CH₄ (25), SF₆ (22,800), HFC (various), PFC (various)
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 28, 2018

MS CAROLYN COOK
ENVIRONMENTAL ENGINEER
GCC PERMIAN LLC
16501 W MURPHY ST
ODESSA TX 79763-7880

Re: Permit Alteration
Permit Number: 5296
Expiration Date: December 6, 2027
GCC Permian, LLC
Portland Cement Plant
Odessa, Ector County
Regulated Entity Number: RN100213305
Customer Reference Number: CN605260686
Associated Permit Numbers: PSDTX24M2 and GHGPSDTX110

Dear Ms. Cook:

This is in response to your letter received February 6, 2018. In accordance with Title 30 Texas Administrative Code §116.116(c), you have changed representations previously filed for Permit Number 5296 which include changing the baghouse type. These changes have been reviewed and the permit file has been updated. Please attach this letter to your permit.

You are reminded that these facilities must be in compliance with all rules and regulations of the Texas Commission on Environmental Quality (TCEQ) and of the U.S. Environmental Protection Agency at all times.

If you need further information or have any questions, please contact Mr. Benjamin Hansen, Ph.D., P.E. at (512) 239-4578 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Ms. Carolyn Cook
Page 2
February 28, 2018

Re: Permit Number: 5296

This action is taken under authority delegated by the Executive Director of TCEQ.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Wilson", with a stylized flourish at the end.

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

Enclosure

cc: Air Section Manager, Region 7 - Midland
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection
Agency, Region 6, Dallas

Project Number: 281147



Texas Commission on Environmental Quality Air Quality Permit

A Permit Is Hereby Issued To
GCC Permian, LLC
Authorizing the Continued Operation of
Odessa Cement Plant
Located at Odessa, Ector County, Texas
Latitude 31° 44' 46" Longitude -102° 33' 6"

Permits: 5296, PSDTX24M2, and GHGPSDTX110

Issuance Date: December 6, 2017

Expiration Date: December 6, 2027

A handwritten signature in black ink, appearing to read "R. A. Hyle".

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)]¹
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources-- Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] ¹
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. ¹

¹ Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Special Conditions

Permit Numbers 5296, PSDTX24M2, and GHGPSDTX110

Emission Limitations

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in that attached table. Annual rates are based on a consecutive 12 month period. In addition to the emissions from routine operations, this permit authorizes emissions from planned maintenance, startup, and shutdown (MSS) activities, and those emissions shall comply with the limits specified in the MAERT. Attachment A identifies the inherently low emitting (ILE) planned maintenance activities and Attachment B identifies the non-ILE planned maintenance activities that are authorized by this permit.
2. This facility is limited to a maximum primary crusher capacity of 1,000 tons per hour and 1,848,000 tons per year (tpy). Primary crusher feed shall consist of material quarried on-site and/or clinker.
3. Clinker production from Kiln No. 1 (Emission Point No. [EPN] GBH-1) shall be measured or estimated and recorded and is limited to 868 tons per day, the kiln design rating. Clinker production shall be used to calculate the nitrogen oxides (NO_x) emission rate based on 8.68 pounds NO_x per ton of clinker.
4. Baghouses, properly installed and in good working order, shall control particulate matter (PM) emissions from EPNs CEF-4, EEF-8, CEF-1, DEF-1, DEF-2, EEF-1, 31EF-1, 31EF-2, EEF-11, EEF-12, EEF-13, EEF-14, EEF-2, EEF-3, EEF-4, EEF-5, EEF-6, EEF-9, FEF-1, FEF-2, GEF-11, GEF-12, GEF-13, GEF-14, GEF-3, GEF-9, KBH-1, KBH-12, KBH-13, KBH-8, KBH-9, KEF-10, KEF-11, KEF-14, KEF-15, KBH-18, KBH-17, KEF-3, KEF-4, KEF-5, KEF-6, GEF-15, GEF-16, GEF-17, GEF-18, GEF-19, GEF-20, GEF-21, GEF-22, GEF-23, GEF-24, GEF-25 and KEF-7, with the particulate grain loading of each stack discharge not to exceed 0.01 grain/dry standard cubic feet.
5. Emissions of filterable PM from the Kiln No. 2 baghouse (EPN GID34EX) and Kiln No. 1 baghouse (EPN GBH-1) shall not exceed 0.07 pound per ton of clinker based on a 30 day rolling average.
6. Emissions of filterable PM from the Kiln No. 3 baghouse (EPN KILN3) shall not exceed 0.02 pound per ton of clinker based on a 30 day rolling average.
7. Kiln No. 1 is authorized to continue to operate until Kiln No. 3 is operational. When Kiln No. 3 becomes operational, Kiln 1 will no longer be authorized to operate.

8. During normal operations, excluding periods of startup and shutdown, emissions from Kiln No.3 (EPN KILN3) shall not exceed the following:

Pollutant	Limit	Other comment
	Kiln No. 3 [EPN KILN3]	
Nitrogen oxides (NO _x)	1.5 pounds per ton of clinker produced (not including the alkali bypass emissions)	Based on 30-day rolling average
Carbon monoxide (CO)	1.5 pounds per ton of clinker produced	Based on 30-day rolling average
Sulfur dioxide (SO ₂)	0.4 pounds per ton of clinker produced	Based on 30-day rolling average
VOC (as THC)	24 ppmv at 7% O ₂	Based on 30-day rolling average
Mercury (Hg)	21 lb/million tons of clinker	Based on 30-day rolling average
HCl	3 ppmvd at 7% O ₂	Based on 30-day rolling average
Ammonia (NH ₃)	0.10 pounds per ton of clinker produced	Based on 1-year rolling average

9. Kiln No. 2 and Kiln No. 3 shall not operate simultaneously.

Fuel Specifications

10. Fuels fired in the Kiln No. 1 system shall be limited to the following:
- A. Natural Gas: natural gas shall contain no more than 0.25 grain hydrogen sulfide and 5 grains total sulfur per 100 dry standard cubic feet.
 - B. Coal: coal shall have a maximum sulfur content of 1.3 percent by weight.
11. Fuels fired in the Kiln No. 2 system shall be limited to the following:
- A. Natural Gas: natural gas shall contain no more than 0.25 grain hydrogen sulfide and 5 grains total sulfur per 100 dry standard cubic feet.
 - B. Coal: coal shall have a maximum sulfur content of 1.3 percent by weight.

- C. Tire-Derived Fuel (TDF):
 - (1) The TDF shall on a British thermal unit (Btu) basis consist of up to 25 percent whole or shredded tires fed into the Kiln No. 2, Raw Material Feed End, and up to 20 percent on a Btu basis shredded tires fed into the Kiln No. 2, Clinker Discharge End.
 - (2) The total heat input substitution of TDF shall be limited to a maximum of 40 percent.
 - D. Grease: the holder of this permit may fire in Kiln No. 2 on-site generated used grease; quantities are limited to 14 tons per year (tpy) as generated.
 - E. Used Oil Filter Paper: used oil filter paper may be fired in Kiln No. 2 in combination with all other fuels and shall at all times contribute less than 10 percent of the total heat input rate.
12. Fuels fired in the Kiln No. 3 system shall be limited to the following:
- A. Natural Gas: natural gas shall contain no more than 0.25 grain hydrogen sulfide and 5 grains total sulfur per 100 dry standard cubic feet.
 - B. Coal: coal shall have a maximum sulfur content of 1.3 percent by weight.
 - C. Petroleum coke
 - D. TDF including whole or shredded tires and tire fluff
 - E. Refuse derived fuels (RDF)
 - F. Rubber products including manufacturing byproducts, reject and raw material, waste, belts, hoses, belt conveyor materials and other similar rubber products
 - G. Wood chips and sawdust which may be derived from native forest products, pallets, shipping materials, or other similar scrap wood
 - H. Mixed industrial debris: materials collected from municipal and post-industrial recycling facilities including paper, cardboard, fibers, and plastics which may contain small quantities of metals or glass
 - I. Bio-solids and semisolids, sludge, gels, and liquids including, fats, greases, fibers, biodiesel manufacturing byproducts, or similarly-generated materials
 - J. Oil filter fluff, absorbents, rags, grease, wax and similar materials generated on or off site
 - K. Fuel oil and liquid fuel
 - L. Dewatered pulp and paper sludge from paper manufacturing
 - M. Used oil, solvents, grease, glycols, and similar fluids obtained from used oil management and collection processes
 - N. Oil and water emulsions, fuel and water emulsions (lean water)

- O. Pigments, soaps, printing inks including toner; other similar materials
- P. Petroleum or mineral byproducts of refining, storage or transmission operations
- Q. Asphalt shingles
- R. Wind turbine blades, shredded
- S. Discarded pharmaceutical materials or medical surplus
- T. Railroad ties
- U. Vehicle fluff and carpet recycling material
- V. Print toner manufacturing byproducts

Federal Applicability

13. This facility shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources promulgated in Title 40 Code of Federal Regulations (40 CFR) Part 60, Subparts A , F for Portland Cement Plants, OOO for Nonmetallic Mineral Processing Plants, and Y for Coal Processing Plants.

This facility shall comply with all applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories (NESHAPS) promulgated in 40 CFR Part 63, Subparts A and LLL, NESHAPS from the Portland Cement Manufacturing Industry.

If any condition of this permit is more stringent than the regulations so incorporated, then for the purposes of complying with this permit, the permit condition shall govern and be the standard by which compliance shall be demonstrated.

Opacity/Visible Emission Limitations

14. The holder of this permit shall demonstrate that all hooding, duct, and collection systems are effective in capturing emissions. Unless otherwise covered by the opacity limitations of this permit, compliance with this condition shall be determined by opacity not exceeding 10 percent as demonstrated in accordance with the procedures specified in EPA regulations in 40 CFR Part 63, Subpart LLL (as applicable).
15. Opacity of emissions from the Kiln No. 1 Stack (EPN GBH-1) shall not exceed 10 percent and from Kiln 2 Exhaust (EPN GID34EX) shall not exceed 20 percent. Measurements shall be conducted using the U.S. Environmental Protection Agency (EPA) Method 22. This shall consist of a one-minute test conducted once a day. If Method 22 is positive, a follow-up Method 9 test will be performed. All readings shall be maintained and made available upon request of the Texas Commission on Environmental Quality (TCEQ).

16. Opacity of emissions from the Kiln No. 3 Stack, (EPN KILN3), shall not exceed 20 percent. Measurements shall be conducted using the U.S. Environmental Protection Agency (EPA) Method 22. This shall consist of a one-minute test conducted once a day. If Method 22 is positive, a follow-up Method 9 test will be performed. All readings shall be maintained and made available upon request of the TCEQ.
17. Sources subject to 40 CFR Part 60, Subparts A and OOO shall be limited to 7 percent opacity as determined in accordance to 40 CFR Part 60, Subpart OOO.
18. Opacity of emissions from EPNs GEF-11, GEF-12, GEF-13, EEF-11, EEF-12, EEF-13, EEF-14, KEF-10, KEF-11, KBH-1, KBH-8, KBH-12, KBH-13, KEF-14, KEF-15, and 31EF-1 and 31EF-2 shall not exceed 5 percent averaged over a six-minute period.
19. No visible fugitive emissions from any of the process areas or buildings and storage areas authorized by this permit shall leave the plant property boundary except for water vapor. The visible emissions determination shall be made during normal plant operations. Observations shall be made on the downwind property line for a minimum of six minutes. If visible emissions are observed, an evaluation must be accomplished in accordance with 40 CFR Part 60, Appendix A, Test Method (TM) 22, using the criterion that visible emissions shall not exceed a cumulative 30 seconds in duration in any six-minute period. If visible emissions exceed the TM 22 criterion, corrective action to eliminate the source of excessive visible emissions shall be taken promptly and documented within 24 business hours of first observing the visible emissions. Determination of compliance with this requirement shall be performed and recorded at a minimum, on a quarterly basis.

Operational Limitations, Work Practices and Plant Design

20. The disposal of material collected by all air pollution abatement equipment shall be accomplished in a manner which will prevent the cement kiln dust from becoming airborne.
21. All areas on the property subject to vehicle traffic shall be watered, treated with dust suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions. Equipment used to pick up debris from the plant roads shall dump the debris inside an enclosed structure. The disposition of this debris shall be controlled, as necessary, to minimize fugitive emissions.
22. All milled material conveyors shall be enclosed and/or vented to a baghouse.
23. This facility shall provide notification of a major upset to the TCEQ Midland Regional Office as required in the Title 30 Texas Administrative Code (30 TAC) § 101.201.
24. This facility shall not produce a nuisance that may cause or contribute to a condition of "air pollution" as defined in 30 TAC § 101.4. If such a condition does occur, additional controls may be required.

25. The solid fuel handling facility is limited to a maximum hourly throughput of 410 tons and a maximum annual throughput of 276,536 tons of solid fuel.
26. The coal stockpile shall not exceed 2.25 acres.
27. There shall be no outside storage of baghouse dust except for the disposal of CKD in the CKD landfill.
28. All water sprays used as air pollution abatement equipment shall be properly maintained during the operation of these facilities. Cleaning and maintenance of the abatement equipment shall be performed as necessary so that the equipment efficiency can be adequately maintained.
29. Spontaneous combustion occurring in the stockpiles shall be extinguished as quickly as possible and in a manner to minimize air emissions.
30. Water and/or chemicals shall be applied to storage piles and open material transfer points as necessary to achieve maximum control of fugitive PM emissions.
31. During operation, broken or excessively leaking bags in the Kiln No. 2 baghouse (GID34EX), the No. 2 Clinker Cooler baghouse (EPN GID6EX), the Kiln No. 1 baghouse (EPN GBH-1), and the No. 1 Clinker Cooler baghouse (EPN GID5EX) shall be tied off or capped. At every kiln shutdown, if feasible, when the flame is off long enough for the baghouses to cool down, and at every major refractory repair job, all filter bags shall be inspected for wear. Filter bags showing visible signs of leakage shall be replaced.
32. During operation, broken or excessively leaking bags in the Kiln No. 3 baghouse (EPN KILN3), and the No. 3 Clinker Cooler baghouse (EPN GID5EX/GID6EX) shall be tied off or capped. At every kiln shutdown, if feasible, when the flame is off long enough for the baghouses to cool down, and at every major refractory repair job, all filter bags shall be inspected for wear. Filter bags showing visible signs of leakage shall be replaced.
33. The 635-horsepower (hp) emergency generator (EPN ENG-5) is limited to 100 hours of non-emergency operation per year, on a calendar year basis.

Selective Non-catalytic Reduction (SNCR)

34. For the Kiln No. 3 system, SNCR NO_x control technology must be operated during normal kiln operation to ensure that the NO_x emissions do not exceed 1.5 pounds NO_x per ton clinker based on a 30 day rolling average.

Planned Maintenance, Startup, and Shutdown

35. The holder of this permit shall minimize emissions during planned MSS activities by operating the facility and associated air pollution control equipment in accordance with good air pollution control practices, safe operating practices, and protection of the facility.
36. Planned startup and shutdown activities associated with any kiln shall comply with the following definitions and requirements to minimize emissions:
 - A. A planned startup of the kiln is defined as beginning when a shutdown kiln turns on the induced draft fan and begins firing fuel in the main burner; startup ends when feed is being continuously introduced into the kiln for at least 120 minutes or when the feed rate exceeds 60 percent of the kiln design limitation rate, whichever occurs first. Startup means the time from when a shutdown kiln first begins firing fuel until it begins producing clinker.
 - B. A planned shutdown of the kiln is defined as the period starting when feed to the kiln is halted and ending when continuous kiln rotation ceases. Shutdown means the cessation of kiln operation.
37. Compliance with the emissions limits for planned maintenance activities identified in this permit shall be demonstrated as follows.
 - A. For ILE planned maintenance activities (Attachment A):
 - (1) The total emissions from all ILE planned maintenance activities shall be considered to be no more than the estimated potential to emit for those activities that are represented in the MSS permit amendment application and subsequent associated submittals.
 - (2) The permit holder shall annually confirm the continued validity of the estimated potential to emit as represented in the MSS permit amendment application and subsequent associated submittals.
 - B. For each pollutant emitted during non-ILE planned maintenance activities (Attachment B), the permit holder shall do the following for each calendar month.
 - (1) Determine the total emissions of the pollutant that result from such non-ILE planned maintenance activities in accordance with the methods listed in Special Condition No. 37.
 - (2) Compare the pollutant's short-term (hourly) emissions during planned maintenance activities, as determined using one of the methods listed in Special Condition No. 37, to the applicable short-term planned MSS emissions limit in the MAERT.
 - (3) Once the pollutant's emissions during planned maintenance activities have been measured for 12 months after the MSS permit amendment is issued, compare the rolling 12-month emissions of the pollutant, as determined using

the monthly emission totals, to the applicable annual planned MSS emissions limit in the MAERT.

38. Emissions from planned MSS activities authorized by this permit shall be determined by the use of an appropriate method, including but not limited to any of following methods:
- A. Use of a continuous emission monitoring systems (CEMS). The CEMS shall be certified to measure the pollutant's emission over the entire range of a planned maintenance activity.
 - B. Use of emission factors, including but not limited to, facility-specific parameters, manufacturer's emission factors, and/or engineering knowledge of the facility's operations.
 - C. Use of emissions data measured (by a CEMS or during emissions testing) during the same type of planned MSS activity occurring at or on an identical or similar facility, and correlation of that data with the facility's relevant operating parameters, including but not limited to, temperature, fuel input, and fuel sulfur content.
 - D. Use of emissions testing data collected during a planned maintenance activity occurring at or on the facility, and correlation of that data with the facility's relevant operating parameters, including but not limited to, temperature, fuel input, and fuel sulfur content.

Initial Demonstration of Compliance

39. Sampling ports and platform(s) shall be incorporated into the design of the kiln stack according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.
40. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the Kiln No. 3 stack while firing any combination of permitted fuels as directed by the Executive Director of the TCEQ. Should testing be required, the company will meet the following requirements.
- A. The TCEQ Regional Office with jurisdiction shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.
The notice shall include:
 - (1) Date for pretest meeting.
 - (2) Date sampling will occur.
 - (3) Name of firm conducting sampling.
 - (4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in B of this condition shall be submitted to the TCEQ Regional Office with jurisdiction. Test waivers and alternate/equivalent procedure proposals for New Source Performance Standard testing which must have the EPA approval shall be submitted to the EPA and copied to the TCEQ Regional Director.

- B. Air contaminants emitted from the Kiln No. 3 Stack (EPN KILN3) to be tested for while firing the prescribed fuels include (but are not limited to): NO_x, CO, SO₂, VOC, Hg, PM, PM₁₀, and D/F.
- C. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office with jurisdiction. Additional time to comply with any applicable federal requirements requires EPA approval, and requests shall be submitted to the TCEQ Air Permits Division in Austin.
- D. The kiln shall be operated at its maximum production rate during stack emission testing. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the plant is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.
- E. Sampling of Kiln No. 3 shall occur within six months of Kiln No. 3 becoming fully operational, and at such other times as may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the TCEQ Midland Regional Office.
- F. The permit holder shall conduct sampling to determine the maximum emission rate of condensable PM from Kiln No. 3, emitted through EPN KILN3. The sampling shall be conducted in conjunction with the initial performance testing of the kiln in Paragraph E above.
- G. If during initial stack sampling for Kiln No. 3, NH₃ pound per hour (lb/hr) emissions are above or within 80% of the 30 day rolling average permit allowable, the permit holder may submit a permit amendment application to request an adjustment in the ammonia permit allowables. This adjustment shall be allowed to account for any unforeseen ammonia in the raw materials. Initial stack sampling results above the 30 day rolling average permit allowable for NH₃ will not be considered a violation of

the permit as long as the permit amendment application is submitted within 120 days of completion of the initial stack test.

- H. Two copies of each sampling report shall be forwarded to the TCEQ within 120 days after sampling is completed. Sampling reports shall comply with the attached conditions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:
 - (1) One copy to the TCEQ Regional Office with jurisdiction.
 - (2) One copy to the TCEQ Office of Air, Air Permits Division, Austin.

Continuous Demonstration of Compliance

- 41. The permit holder shall install, calibrate, operate, and maintain PM continuous parametric monitoring systems to monitor and record the applicable site-specific operating parameters for the kilns (EPNs GBH-1, GID34EX, and KILN3) and clinker coolers (EPNs GID5EX, GID6EX, and GID5EX/GID6EX) in accordance with 40 CFR § 63.1350 and § 63.1355.
- 42. The holder of this permit shall install, calibrate, maintain, and operate a CEMS to measure and record the concentrations of nitrogen oxide, carbon monoxide, sulfur dioxide, and diluent gases (oxygen or carbon dioxide) from Kiln No. 3.
 - A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or an acceptable alternative. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Air, Air Permits Division in Austin for requirements to be met. The CEMS shall comply with the following requirements:

The holder of this permit shall assure that the CEMS meets the applicable quality assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1, or an acceptable alternative. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3, and any CEMS downtime and all cylinder gas audit exceedances of ± 15 percent accuracy shall be reported semiannually to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.
 - B. The monitoring data shall be reduced to hourly average values at least once every day, using a minimum of four equally-spaced data points from each one-hour period. At least two valid data points shall be generated during the hourly period in which zero and span is performed.
 - C. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or a designated representative upon request. The hourly average data from the CEMS

shall be used to determine compliance with the conditions of this permit. Hourly average concentrations from each kiln shall be totaled each month and used to determine compliance with the 30 day rolling average short term and annual emission limits of this permit.

- D. The appropriate TCEQ Regional Office shall be notified at least 21 days prior to any required relative accuracy test audits in order to provide them the opportunity to observe the testing.
43. The holder of this permit shall conduct a visible emissions determination according to the frequencies set forth in 40 CFR §63.1350(f)(1) to demonstrate compliance with the opacity limitations specified in Special Condition No. 14. This visible emissions determination shall be performed: 1) during normal plant operations, 2) for a minimum of ten minutes, 3) approximately perpendicular to plume direction, 4) with the sun behind the observer (to the extent practicable), and 5) at least two stack heights, but not more than five stack heights, from the emission point. If visible emissions are observed from the emission point, the owner or operator shall:
- A. Determine opacity using 40 CFR Part 60, Appendix A, Test Method 9 for a minimum of 6 minutes. If the opacity limit is exceeded, take immediate action (as appropriate) to reduce opacity to within the permitted limit, record the corrective action within 24 hours, and comply with applicable requirements in 30 TAC § 101.201, Emissions Event Reporting and Record Keeping Requirements and 40 CFR §63.1350(f)(1).
44. The holder of this permit shall conduct a quarterly visible emissions determination to demonstrate compliance with the opacity limitations specified in Special Condition No. 18. This visible emissions determination shall be performed: 1) during normal plant operations, 2) for a minimum of six minutes, 3) approximately perpendicular to plume direction, 4) with the sun behind the observer (to the extent practicable), and 5) at least two stack heights, but not more than five stack heights, from the emission point. If visible emissions are observed from the emission point, the owner or operator shall:
- A. Take immediate action to eliminate visible emissions, record the corrective action within 24 hours, and comply with any applicable requirements in 30 Texas Administrative Code (TAC) § 101.201, Emissions Event Reporting and Record Keeping Requirements; or
 - B. Determine opacity using 40 CFR Part 60, Appendix A, Test Method 9. If the opacity limit is exceeded, take immediate action (as appropriate) to reduce opacity to within the permitted limit, record the corrective action within 24 hours, and comply with applicable requirements in 30 TAC § 101.201, Emissions Event Reporting and Record Keeping Requirements.
45. The NH₃ concentration in the Kiln No. 3 Exhaust Stack shall be tested or calculated according to one of the methods listed below and shall be tested or calculated according to frequency listed below. Testing for NH₃ slip is only required on days when the SNCR

unit is in operation. The NH_3 measurements shall be used to determine compliance with the MAERT.

- A. The holder of this permit may install, calibrate, maintain, and operate a CEMS to measure and record the concentrations of NH_3 .
- B. The NH_3 slip may be measured using a sorbent or stain tube device specific for NH_3 measurement in the appropriate range. The frequency of sorbent or stain tube testing shall be monthly.
 - (1) If the sorbent or stain tube testing indicates an ammonia (NH_3) slip concentration that results in calculated NH_3 emissions at 90% or above the current short term permit allowable at any time, the permit holder shall begin NH_3 testing by either the Phenol-Nitroprusside Method, the Indophenol Method, or EPA Conditional Test Method (CTM) 27 on a quarterly basis in addition to the monthly sorbent or stain tube testing.
 - (2) If the quarterly testing indicates the calculated NH_3 emissions at less than 90% of the current short term permit allowable, the Phenol Nitroprusside Indophenol CTM 27 tests may be suspended until sorbent or stain tube testing again indicate NH_3 emissions at 90% of the current short term permit allowable or greater.
- C. The permit holder may install and operate a second NO_x CEMS probe located between the kiln and the SNCR, upstream of the stack NO_x CEMS, which may be used in association with the SNCR efficiency and NH_3 injection rate to estimate NH_3 slip. This condition shall not be construed to set a minimum NO_x reduction efficiency on the SNCR unit.
- D. The permit holder may install and operate a dual stream system of NO_x CEMS at the exit of the SNCR. One of the exhaust streams would be routed, in an unconverted state, to one NO_x CEMS, and the other exhaust stream would be routed through a NH_3 converter to convert NH_3 to NO_x and then to a second NO_x CEMS. The NH_3 slip concentration shall be calculated from the delta between the two NO_x CEMS readings (converted and unconverted).
- E. The permit holder may develop a NH_3 slip factor based on the NO_x/NH_3 ratio established during the performance testing and use that ratio for on-going compliance demonstration.
- F. Any other method used for measuring NH_3 slip shall require prior written approval from the TCEQ Air Permits Division in Austin.

Aqueous Ammonia

- 46. The permit holder shall maintain prevention and protection measures for the NH_3 storage system. The NH_3 storage tank area will be marked and protected so as to protect the NH_3 storage area from accidents that could cause a rupture. The aqueous ammonia stored shall have a concentration of less than 20% NH_3 by weight.

47. In addition to the requirements of Special Condition No. 45, the permit holder shall maintain the piping and valves in NH₃ service as follows:
- A. Audio, visual, and olfactory (AVO) checks for NH₃ leaks shall be made once every 24 hours when Kiln No. 3 is operating.
 - B. Immediately, but no later than 24 hours upon detection of a leak, following the detection of a leak, plant personnel shall take one or more of the following actions:
 - (1) Locate and isolate the leak, if necessary.
 - (2) Commence repair or replacement of the leaking component.
 - (3) Use a leak collection or containment system to control the leak until repair or replacement can be made if immediate repair is not possible.

Sampling Requirements

48. If a condition of nuisance, as defined in 30 TAC § 101.4, is confirmed by the TCEQ, the holder of this permit may be required to perform stack sampling for PM and other testing, as required, to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere.
49. Upon being informed by the TCEQ Executive Director or the appropriate TCEQ Regional Director that the staff has documented visible emissions leaving the plant boundary, or opacity or visible emissions exceeding the permitted limits, the holder of this permit shall conduct stack sampling analyses or otherwise prove satisfactory equipment performance and demonstrate compliance with this permit. Sampling must be conducted in accordance with appropriate procedures of the TCEQ Sampling Procedures Manual or in accordance with applicable procedures stated by the EPA Code of Federal Regulations. Any deviations from those procedures must be approved by the TCEQ Executive Director or the appropriate TCEQ Regional Director prior to conducting sampling.
50. Upon request by the TCEQ Executive Director or the TCEQ Regional Director having jurisdiction, the holder of this permit shall perform stack sampling and/or other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere to demonstrate compliance with the maximum allowable emission rates table and with emission performance levels as specified in the special conditions and/or otherwise prove satisfactory equipment performance. Sampling must be conducted in accordance with the TCEQ Sampling Procedures Manual or in accordance with the applicable EPA 40 CFR procedures. Any deviations from those procedures must be approved by the TCEQ Executive Director or the appropriate TCEQ Regional Director prior to conducting sampling.

The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling ports and platform(s) shall be installed on the exhaust stack according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities" prior to stack sampling.

Alternate sampling facility designs may be submitted for approval by the Executive Director of the TCEQ.

Recordkeeping

51. The holder of this permit shall maintain the following records at the plant site in a form suitable for inspection for a period of five years after collection, and the records shall be made immediately available upon request to representatives of the TCEQ, EPA, or any air pollution control agency with jurisdiction.
- A. Records of planned MSS, including the following, to demonstrate compliance with Special Condition Nos. 36-38 and the MAERT:
 - (1) Records of startup and shutdown of the kilns, including the date, time, duration, and emissions associated with those activities.
 - (2) Records of non-ILE planned maintenance activities and the associated emissions.
 - (3) Records of ILE planned maintenance activities and annual validations.
 - B. Daily records of the type and amount of each fuel fired in each kiln system on a daily, monthly, and annual basis.
 - C. Hourly and daily production and kiln feed rates.
 - D. Hours of operation. These records shall be retained for a rolling 60-month period, totaled for each calendar month.
 - E. Daily road maintenance for dust control.
 - F. Records required by 40 CFR 63, Subparts A and LLL.
 - G. Records required by 40 CFR 60, Subparts A, Y, and OOO.
 - H. Inspections of capture systems and abatement devices shall be recorded as they occur.
 - I. Quarterly observations for visible emissions and/or opacity determinations required by Special Condition Nos. 14-19.
 - J. All malfunctions, repairs, and maintenance of abatement systems, which includes bag replacement and the manufacturer's suggested cleaning and maintenance schedule.
 - K. Records of periodic calibration of coal feed weigh belts, kiln feed weigh belts, and clinker production weigh device/totalizer.
 - L. Records of continuous parametric monitoring data as specified in Special Condition No. 41.

- M. Records of NH₃ concentrations monitored or calculated pursuant to Special Condition No. 45 and the corresponding NH₃ emissions. Records of NH₃ AVO checks pursuant to Special Condition No. 47.
52. Preventative maintenance, scheduled maintenance, and repair maintenance performed shall comply with 30 TAC § 101.211, and these records shall be made available for inspection by the TCEQ and any local air pollution program having jurisdiction. These records shall be maintained on-site for a rolling two-year period.
53. The table below lists the sources or activities that are authorized by permits by rule (PBR) under Title 30 Texas Administrative Code (30 TAC) Chapter 106. This list is not intended to be all inclusive and can be altered at the site without modifications to this permit.

Source or Activity	Authorization
Brazing, soldering, and welding	PBR 106.227
Maintenance painting	PBR 106.263
Enclosed and outdoor dry abrasive blasting	PBR 106.263
Hand-held or manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding, etc.	PBR 106.265
Solvent cleaning, parts degreaser	PBR 106.454
Emergency engines and portable small engines	PBR 106.511
Sludge management	PBR 106.532
Organic chemical usage for water treatment	PBR 106.532

Greenhouse Gases Special Conditions

54. Emissions from Kiln No. 3 exhaust shall not exceed 0.92 tons carbon dioxide equivalent (CO₂e) per ton of produced clinker on a 12 month rolling average.
55. Kiln No. 3 is limited to production of no more than 3,300 tons of clinker per day, averaged over a thirty-day period, and no more than 1,155,000 tons of clinker during a rolling 12-month period.
56. Kiln No. 3 induced draft fan drive motors should include variable speed/variable frequency drive devices and will be operated so as to maximize energy efficiency. Kiln No. 3 induced draft fan drive motors may have the ability to operate with damper controls when necessary.

57. Initial determination of compliance as specified in Special Condition No. 40 shall also include sampling for CO₂.

Provided it is conducted within the time frames and conforms with the notification requirements of this Special Condition and Special Condition No. 40, the annual RATA for the CO₂ CEMS may satisfy for the initial performance test, in accordance with 40 CFR §98.34(c)(1), conforming with the Performance Specification 3 in appendix B to Part 60 for CO₂ concentration monitors and Performance Specification 5 in appendix B to Part 60 for the continuous rate monitoring system.

58. The holder of this permit shall install, calibrate, maintain, and operate a CO₂ CEMS to measure and record the concentration from Kiln No. 3 in accordance with the CO₂ CEMS system requirements in 40 CFR 75.10(a)(3) and (a)(5).
- A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or an acceptable alternative. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division in Austin for requirements to be met.
- The holder of this permit shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1, or an acceptable alternative. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3, and any CEMS downtime and all cylinder gas audit exceedances of ±15 percent accuracy shall be reported semiannually to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.
- B. The monitoring data shall be reduced to hourly average values at least once every day, using a minimum of four equally-spaced data points from each one-hour period. At least two valid data points shall be generated during the hourly period in which zero and span is performed.
- C. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or a designated representative upon request. The hourly average data from the CEMS shall be used to determine compliance with the conditions of this permit. Hourly average concentrations from Kiln No. 3 shall be summed to TPY each month and used to determine compliance with the emission limits of this permit.
- D. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATAs in order to provide them the opportunity to observe the testing.

Greenhouse Gases Recordkeeping Requirements

59. Permit holders must keep records sufficient to demonstrate compliance with 30 TAC 116.164. Records shall be sufficient to demonstrate the amount of emissions of GHGs from the source as a result of construction; a physical change or a change in method of operation does not require authorization under 30 TAC 116.164(a). Records shall be maintained for a period of five years after collection.
60. The holder of this permit shall maintain the following records at the plant site in a form suitable for inspection for a period of five years after collection, and the records shall be made immediately available upon request to representatives of the TCEQ, EPA, or any air pollution control agency with jurisdiction.
 - A. Daily and monthly production rates.
 - B. Records of the average monthly consumption of fuels.
 - C. The monitoring data from Special Condition No. 42. For each continuous emissions monitor, records of the nature and cause of any malfunction (if known), the corrective action taken, or preventive measures adopted shall be kept.
 - D. Total monthly CO₂ and CO₂e emissions are to be calculated and recorded monthly as follows:
 - (1) Sum total monthly CO₂ emissions from CEMS data.
 - (2) Calculate total nitrous oxide (N₂O) and methane (CH₄) monthly emissions from fuel combustion using Equation C-8 of 40 CFR Part 98, Subpart C.
 - (3) Convert CO₂, N₂O, and CH₄ monthly emissions to CO₂e emissions using Equation A-1 of 40 CFR Part 98, Subpart A.
 - E. The monthly data from paragraph D of this special condition data shall be used to calculate rolling 12-month total emission rates of CO₂ and CO₂e to demonstrate compliance with emissions limits in the MAERT.

Date: December 6, 2017

Attachment A

Permit Numbers 5296 and PSDTX24M1 and GHGPSDTX110

Inherently Low Emitting Maintenance Activities

Planned Maintenance Activity	VOC	NO _x	CO	PM	SO ₂
Material handling system maintenance				x	
Material handling system maintenance (air gun)				x	
Organic chemical usage	X				
Analyzer calibration		x	x		
Lube oil maintenance	X				
Refractory maintenance operations				x	
Deslagging/descaling maintenance operations		x	x	x	
Miscellaneous particulate filter maintenance				x	
Kiln particulate filter maintenance				x	
Gaseous fuel venting	X				

Date: December 6, 2017

Attachment B

Permit Numbers 5296 and PSDTX24M1 and GHGPSDTX110

Non-Inherently Low Emitting Maintenance Activities

Planned Maintenance Activity	VOC	NO _x	CO	PM	SO ₂
Vacuum truck solids loading				x	

Date: December 6, 2017

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 5296 and PSDTX24M2

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
KILN3	Kiln No. 3	PM	41.25	173.25
		PM ₁₀	41.25	173.25
		PM _{2.5}	38.50	161.70
		NO _x (8)	206.25	866.25
		SO ₂ (8)	55.00	231.00
		VOC (8)	13.95	58.57
		CO (8)	206.25	866.25
		H ₂ SO ₄	1.31	5.49
		HCl (8)	1.74	7.32
		NH ₃ (8)	13.75	57.75
		Hg (8)	0.01	0.01
EEF-8	Air Separator Baghouse	PM	2.83	12.39
		PM ₁₀	2.83	12.39
		PM _{2.5}	0.71	3.10
		NO _x	3.92	17.18
		SO ₂	0.02	0.10
		VOC	0.22	0.94
		CO	3.29	14.43
CEF-1	Crusher Baghouse	PM	1.29	5.40
		PM ₁₀	1.29	5.40
		PM _{2.5}	0.32	1.35

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
CEF-2	Drop to Crusher Hopper (7)	PM	1.68	2.45
		PM ₁₀	0.79	1.16
		PM _{2.5}	0.12	0.18
CEF-3	Hopper Drop to Crusher (7)	PM	3.35	4.90
		PM ₁₀	1.59	2.32
		PM _{2.5}	0.24	0.35
CEF-4	Pre-Raw Mill Crusher Baghouse	PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.03	0.11
DEF-1	Transfer Conveyor Baghouse	PM	0.45	1.95
		PM ₁₀	0.45	1.95
		PM _{2.5}	0.11	0.49
DEF-2	Surge Bin Baghouse	PM	0.18	0.79
		PM ₁₀	0.18	0.79
		PM _{2.5}	0.05	0.20
EEF-1	Air Separator Baghouse	PM	1.85	7.78
		PM ₁₀	1.85	7.78
		PM _{2.5}	0.46	1.94
		NO _x	3.92	17.18
		CO	3.29	14.43
		SO ₂	0.02	0.10
		VOC	0.22	0.94
31EF-1	Coal Bin #1 Baghouse	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.02	0.09

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
31EF-2	Coal Bin #2 Baghouse	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.02	0.09
31EF-3	New Coal Mill Stack	PM	1.03	4.51
		PM ₁₀	1.03	4.51
		PM _{2.5}	0.26	1.13
EEF-11	#5 Separator Baghouse	PM	2.77	12.12
		PM ₁₀	2.77	12.12
		PM _{2.5}	0.69	3.03
	#5 Finish Mill Baghouse	PM	1.21	5.29
		PM ₁₀	1.21	5.29
		PM _{2.5}	0.30	1.32
EEF-13	Transfer Tunnel Baghouse	PM	0.30	1.31
		PM ₁₀	0.30	1.31
		PM _{2.5}	0.08	0.33
EEF-14	Transfer Tunnel Baghouse	PM	0.30	1.31
		PM ₁₀	0.30	1.31
		PM _{2.5}	0.08	0.33
EEF-2	#2 Separator Baghouse	PM	1.85	8.11
		PM ₁₀	1.85	8.11
		PM _{2.5}	0.46	2.03
EEF-3	Raw Mill #1 Baghouse	PM	0.62	2.59
		PM ₁₀	0.62	2.59
		PM _{2.5}	0.15	0.65
EEF-4	#2 Finish Mill Baghouse	PM	0.62	2.70
		PM ₁₀	0.62	2.70
		PM _{2.5}	0.15	0.68

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
EEF-5	#3 Finish Mill Baghouse	PM	1.29	5.63
		PM ₁₀	1.29	5.63
		PM _{2.5}	0.32	1.41
EEF-6	#3 Separator Baghouse	PM	0.69	3.02
		PM ₁₀	0.69	3.02
		PM _{2.5}	0.17	0.75
EEF-9	Raw Mill #4 Baghouse	PM	1.03	4.51
		PM ₁₀	1.03	4.51
		PM _{2.5}	0.26	1.13
FC-1	Quarry Truck Loading (7)	PM	11.18	16.32
		PM ₁₀	5.29	7.72
		PM _{2.5}	0.80	1.17
FCKD-1	CKD Drop to Haul Truck (7)	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
FCLB-2	Cooler Drop to Drag Chain (7)	PM	0.22	0.94
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.02	0.07
FCLB-4	#2 Cooler System Drops to Clinker Belt (7)	PM	0.22	1.74
		PM ₁₀	0.10	0.82
		PM _{2.5}	0.02	0.12
FCLSP-2	Gypsum Building Windblown Fugitive (7)	PM	<0.01	0.03
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
FCLSP-3	Clinker Outside Storage Pile (7)	PM	<0.01	0.19
		PM ₁₀	<0.01	0.09
		PM _{2.5}	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
FCLT-1	Clinker Building Tunnel Fugitives (7)	PM	0.15	0.04
		PM ₁₀	0.07	0.02
		PM _{2.5}	0.01	<0.01
FCP-1	Railcar Coal Unloading Drop (7)	PM	0.06	0.04
		PM ₁₀	0.03	0.02
		PM _{2.5}	<0.01	<0.01
FCP-1B	Rail Hopper Drop to Belt (7)	PM	0.06	0.04
		PM ₁₀	0.03	0.02
		PM _{2.5}	<0.01	<0.01
FCP-2	Belt Transfer Drop (7)	PM	0.21	0.14
		PM ₁₀	0.10	0.07
		PM _{2.5}	0.01	0.01
FCP-5	Drop to Conveyor Hopper (7)	PM	0.21	0.14
		PM ₁₀	0.10	0.07
		PM _{2.5}	0.01	0.01
FCP-6	Hopper Drop to Conveyor (7)	PM	0.21	0.14
		PM ₁₀	0.10	0.07
		PM _{2.5}	0.01	0.01
FCP-7	Conveyor Transfer (7)	PM	0.21	0.14
		PM ₁₀	0.10	0.07
		PM _{2.5}	0.01	0.01
FCPT	Truck Unloading Drop (7)	PM	0.64	0.93
		PM ₁₀	0.30	0.44
		PM _{2.5}	0.05	0.07
FCPW-1	Coal Piles Windblown Fugitive (7)	PM	<0.01	0.23
		PM ₁₀	<0.01	0.11
		PM _{2.5}	<0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
FEF-1	Blending Silos Baghouse	PM	1.29	5.63
		PM ₁₀	1.29	5.63
		PM _{2.5}	0.32	1.41
FEF-2	Feed System Baghouse	PM	0.51	2.25
		PM ₁₀	0.51	2.25
		PM _{2.5}	0.13	0.56
FEF-3	Kiln #3 Kiln Feed Fan #1	PM	0.03	0.14
		PM ₁₀	0.03	0.14
		PM _{2.5}	0.01	0.03
FEF-4	Kiln #3 Kiln Feed Fan #2	PM	0.21	0.90
		PM ₁₀	0.21	0.90
		PM _{2.5}	0.05	0.23
FEF-5	Kiln #3 Kiln Feed Fan #3	PM	0.13	0.56
		PM ₁₀	0.13	0.56
		PM _{2.5}	0.03	0.14
FGSP-1	Additive Rail Unloading Drop (7)	PM	0.15	0.21
		PM ₁₀	0.07	0.10
		PM _{2.5}	0.01	0.01
FGSP-2	Loader Drop to Storage Piles (7)	PM	0.17	0.07
		PM ₁₀	0.08	0.03
		PM _{2.5}	0.01	<0.01
FGSP-3	Loader Drop to Feeder Piles (7)	PM	0.17	0.07
		PM ₁₀	0.08	0.03
		PM _{2.5}	0.01	<0.01
FGSP-4	Additive Piles Windblown Fugitive (7)	PM	<0.01	0.02
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
FGSP1-T	Gypsum Truck Unloading (7)	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
FLO-1	Truck and Rail Loadout Fugitive (7)	PM	0.19	0.28
		PM ₁₀	0.09	0.13
		PM _{2.5}	0.01	0.02
FLO-2	Bulk Truck Loading Fugitive (7)	PM	1.73	2.52
		PM ₁₀	0.82	1.19
		PM _{2.5}	0.12	0.18
FLO-3	Bulk Rail Unloading Fugitive (7)	PM	0.73	2.52
		PM ₁₀	0.34	1.19
		PM _{2.5}	0.05	0.18
FMS-1	Raw Storage Wind Blown Fug. (7)	PM	<0.01	0.07
		PM ₁₀	<0.01	0.03
		PM _{2.5}	<0.01	<0.01
FMS-3	Loader Drop to Aux. Belt Hopper (7)	PM	0.07	0.10
		PM ₁₀	0.03	0.05
		PM _{2.5}	<0.01	0.01
FMS-4	Raw Building Tunnel Fugitives (7)	PM	0.44	1.63
		PM ₁₀	0.21	0.77
		PM _{2.5}	0.03	0.12
FMSSP-1	Mill Scale/Iron ore Wind Blown Fugitives (7)	PM	<0.01	0.06
		PM ₁₀	<0.01	0.03
		PM _{2.5}	<0.01	<0.01
FMSSP-2	Mill Scale / Iron Unloading Fugitives (7)	PM	0.08	0.12
		PM ₁₀	0.04	0.06
		PM _{2.5}	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
FMSSP-3	Loader Drop to Storage Piles (7)	PM	0.03	0.04
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	<0.01
FMSSP-4	Loader Drop to Feeder Piles (7)	PM	0.03	0.04
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	<0.01
FMSSP-5	Mill Scale Feeder Drop (7)	PM	0.03	0.04
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	<0.01
FMSSP-T	Mill Scale Truck Unloading (7)	PM	0.02	0.03
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
FQ-CKD	CKD Storage and Drop in Quarry (7)	PM	<0.01	0.27
		PM ₁₀	<0.01	0.13
		PM _{2.5}	<0.01	0.02
FRB-1	Crusher Drop to Belt (7)	PM	1.12	1.63
		PM ₁₀	0.53	0.77
		PM _{2.5}	0.08	0.12
FRB-2	Crusher Belt Transfer Point (7)	PM	0.50	0.73
		PM ₁₀	0.24	0.35
		PM _{2.5}	0.04	0.05
FRB-3	Raw Materials Drop to Piles (7)	PM	1.59	1.03
		PM ₁₀	0.75	0.49
		PM _{2.5}	0.11	0.07
FRB-4	Aux. Hopper Drop to Belt (7)	PM	0.03	0.05
		PM ₁₀	0.02	0.02
		PM _{2.5}	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
FRB-5	Drop to Traveling Belt (7)	PM	1.12	1.63
		PM ₁₀	0.53	0.77
		PM _{2.5}	0.08	0.12
FSASP-1	Sand Pile Wind Blown Fugitives (7)	PM	<0.01	0.14
		PM ₁₀	<0.01	0.07
		PM _{2.5}	<0.01	0.01
FSASP-2	Sand Drop to Pile (7)	PM	0.01	0.02
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
FSASP-7	Sand Feeder Belt Drop (7)	PM	0.01	0.02
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
GEF-11	Belt Transfer Baghouse	PM	0.27	1.20
		PM ₁₀	0.27	1.20
		PM _{2.5}	0.07	0.30
GEF-12	Finish Mix System Baghouse	PM	0.27	1.20
		PM ₁₀	0.27	1.20
		PM _{2.5}	0.07	0.30
GEF-13	Finish Mix System Baghouse	PM	1.28	5.59
		PM ₁₀	1.28	5.59
		PM _{2.5}	0.32	1.40
GEF-14	Dense Phase Baghouse	PM	0.20	0.86
		PM ₁₀	0.20	0.86
		PM _{2.5}	0.05	0.22
GEF-15	Bucket Elevator No. 1	PM	0.12	0.53
		PM ₁₀	0.12	0.53
		PM _{2.5}	0.03	0.13

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
GEF-16	Bucket Elevator No. 2	PM	0.12	0.51
		PM ₁₀	0.12	0.51
		PM _{2.5}	0.03	0.13
GEF-17	Bucket Elevator No. 3	PM	0.15	0.63
		PM ₁₀	0.15	0.63
		PM _{2.5}	0.04	0.16
GEF-18	Off-Spec Clinker Storage Silo	PM	0.31	1.35
		PM ₁₀	0.31	1.35
		PM _{2.5}	0.08	0.34
GEF-19	Clinker Storage Silo Dust Collector Fan #1	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.02	0.10
GEF-20	Clinker Storage Silo Dust Collector Fan #2	PM	0.12	0.52
		PM ₁₀	0.12	0.52
		PM _{2.5}	0.03	0.13
GEF-21	Clinker Storage Silo Dust Collector Fan #3	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.04	0.16
GEF-22	Clinker Reclaim Dust Collector Fan #1	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
GEF-23	Clinker Reclaim Dust Collector Fan #2	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02
GEF-24	Clinker Reclaim Dust Collector Fan #3	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
GEF-25	Clinker Reclaim Dust Collector Fan #4	PM	0.13	0.54
		PM ₁₀	0.13	0.54
		PM _{2.5}	0.03	0.14
GEF-26	Kiln # 3 Cooler Discharge	PM	0.28	1.24
		PM ₁₀	0.28	1.24
		PM _{2.5}	0.07	0.31
GEF-27	Kiln #3 Clinker Transfer Tower	PM	0.09	0.41
		PM ₁₀	0.09	0.41
		PM _{2.5}	0.02	0.10
GEF-28	Kiln #3 Clinker Diverter Gate	PM	0.19	0.81
		PM ₁₀	0.19	0.81
		PM _{2.5}	0.05	0.20
GEF-3	Clinker Belt Transfer Baghouse	PM	0.51	2.25
		PM ₁₀	0.51	2.25
		PM _{2.5}	0.13	0.56
CRC-1	Clinker Roller Crusher Feed Fan	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.04	0.16
CRC-2	Clinker Roller Crusher Fan	PM	0.21	0.90
		PM ₁₀	0.21	0.90
		PM _{2.5}	0.05	0.23
CRC-3	Clinker Roller Crusher Discharge Fan	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.04	0.16
GEF-9	CKD Bin Baghouse	PM	0.26	1.13
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.06	0.28

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
GID5EX/GID6EX	#3 Clinker Cooler Stack	PM	2.75	11.55
		PM ₁₀	2.10	8.80
		PM _{2.5}	1.10	4.62
GID6EX	#2 Clinker Cooler Stack	PM	6.27	27.44
		PM ₁₀	4.76	20.86
		PM _{2.5}	2.51	10.98
KBH-1	Airslide KAS3 Baghouse	PM	0.21	0.94
		PM ₁₀	0.21	0.94
		PM _{2.5}	0.05	0.23
KBH-12	Rich Mortar Spout Baghouse	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.04	0.16
KBH-13	Truck Loading Spout Baghouse	PM	0.17	0.75
		PM ₁₀	0.17	0.75
		PM _{2.5}	0.04	0.19
KBH-8	Airslide to Truck Loadout	PM	0.12	0.53
		PM ₁₀	0.12	0.53
		PM _{2.5}	0.03	0.13
KBH-9	Cement Silos & Cement Unloading Baghouse	PM	0.23	0.12
		PM ₁₀	0.23	0.12
		PM _{2.5}	0.06	0.03
KEF-10	Top of Silo Equipment Baghouse	PM	0.26	1.13
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.06	0.28
KEF-11	Top of Silo Equipment Baghouse	PM	0.26	1.13
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.06	0.28

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
KEF-14	Cement Silo #3 Baghouse	PM	0.07	0.30
		PM ₁₀	0.07	0.30
		PM _{2.5}	0.02	0.08
KEF-15	Cement Silo #4 Baghouse	PM	0.07	0.30
		PM ₁₀	0.07	0.30
		PM _{2.5}	0.02	0.08
KBH-18	Cement Loadout Bins	PM	0.17	0.75
		PM ₁₀	0.17	0.75
		PM _{2.5}	0.04	0.19
KBH-17	Cement Loading Spout	PM	0.03	0.14
		PM ₁₀	0.03	0.14
		PM _{2.5}	0.01	0.03
KEF-3	Packer #2 Overflow Elevator Baghouse	PM	1.03	4.32
		PM ₁₀	1.03	4.32
		PM _{2.5}	0.26	1.08
KEF-4	Packer #1 Overflow Elevator Baghouse	PM	1.03	4.32
		PM ₁₀	1.03	4.32
		PM _{2.5}	0.26	1.08
KEF-5	Packer #1 Feed Elevator Baghouse	PM	0.77	3.38
		PM ₁₀	0.77	3.38
		PM _{2.5}	0.19	0.84
KEF-6	Packer #2 Feed Elevator Baghouse	PM	0.34	1.44
		PM ₁₀	0.34	1.44
		PM _{2.5}	0.09	0.36
KEF-7	Truck and Railcar Loadout Baghouse	PM	0.51	2.16
		PM ₁₀	0.51	2.16
		PM _{2.5}	0.13	0.54

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
SCREEN	Material Screening (7)	PM	0.02	0.02
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
DAB-1	Dry Abrasive Blasting (7)	PM	0.04	0.07
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
DTP-1	DBC-3 Drop to Roll Crusher (7)	PM	0.11	0.38
		PM ₁₀	0.05	0.18
		PM _{2.5}	0.01	0.03
DTP-2	Surge Bin Drop to DWB2 (7)	PM	0.09	0.38
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.01	0.03
DTP-3	DWB-2 Drop to DE-2 (7)	PM	0.09	0.38
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.01	0.03
DTP-4	Elevator DE2 Drop to DBC7 (7)	PM	0.09	0.38
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.01	0.03
FTP-1	EAS-3 Drop to FBC-1 (7)	PM	0.09	0.38
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.01	0.03
FTP-2	FBC-1 Drop to FE-1 (7)	PM	0.11	0.38
		PM ₁₀	0.05	0.18
		PM _{2.5}	0.01	0.03
GTP-1	GBC-4 to GBC-13 TP (7)	PM	0.10	0.23
		PM ₁₀	0.05	0.11
		PM _{2.5}	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
GTP-2	GBC-13 / GBC-20 Drop to Turn Head (7)	PM	0.10	0.23
		PM ₁₀	0.05	0.11
		PM _{2.5}	0.01	0.02
GTP-3	GBC-14 Drop to GBC-6 (7)	PM	0.04	0.09
		PM ₁₀	0.02	0.04
		PM _{2.5}	<0.01	0.01
EBLG-1	Building Fugitives (7) GWB-1 Drop to GBC-14 (7) GWB-2 Drop to GBC-15 (7) GWB-3 Drop to GBC-16 (7) GWB-4 Drop to GBC-15 (7)	PM	0.22	0.73
		PM ₁₀	0.11	0.34
		PM _{2.5}	0.02	0.05
KCD-1	Bagging Machine (7)	PM	0.02	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
KCD-2	Rich Mortar Bagging Machine (7)	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
FLO-4	Rich Mortar Spout (7)	PM	1.21	0.01
		PM ₁₀	0.57	0.01
		PM _{2.5}	0.09	<0.01
ENG-5	Emergency Generator	PM	0.18	0.01
		PM ₁₀	0.18	0.01
		PM _{2.5}	0.18	0.01
		NO _x	3.50	0.17
		CO	1.37	0.07
		VOC	0.17	0.01
		SO ₂	<0.01	<0.01
		H ₂ SO ₄	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
MSSAMTK	Ammonia Tank Vessel Maintenance MSS (7)	NH ₃	1.32	0.03
MSS-CEMS	CEMS Calibration MSS Fugitives (7)	NO _x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	<0.01	<0.01
		SO ₂	<0.01	<0.01
MSSFUG2	Non-Inherently Low Emitting Maintenance (7) Vacuum Truck Loading (7)	PM	0.73	1.06
		PM ₁₀	0.73	1.06
		PM _{2.5}	0.36	0.53
MSSFUG1	Inherently Low Emitting Sitewide MSS Activities (ILE Activities) (7)	NO _x	0.02	<0.01
		CO	0.41	0.01
		PM	0.15	0.02
		PM ₁₀	0.06	0.01
		PM _{2.5}	0.03	<0.01
		VOC	2.32	0.29
FGL-1	Additives Loader Road Emissions (7)	PM	2.70	0.15
		PM ₁₀	1.20	0.67
		PM _{2.5}	1.20	0.67
FCLCP	Clinker Drop to Storage Building (7)	PM	0.53	2.10
		PM ₁₀	0.25	1.00
		PM _{2.5}	0.25	1.00
FCLB-5	Drop to Traveling Belt (7)	PM	0.88	3.51
		PM ₁₀	0.41	1.66
		PM _{2.5}	0.41	1.66

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lb/hour	TPY (4)
GID34EX	Kiln No. 2 Stack	PM	22.00	96.40
		PM ₁₀	10.00	43.80
		PM _{2.5}	10.00	43.80
		NO _x	446.40	1955.20
		SO ₂	87.00	381.10
		VOC	15.10	66.10
		CO	95.90	420.00
		H ₂ SO ₄	0.40	1.60
GBH-1	Kiln No. 1 Baghouse (6)	PM	13.69	59.95
		PM ₁₀	13.69	59.95
		PM _{2.5}	10.77	47.19
		NO _x	358	1568
		SO ₂	75	328.5
		VOC	20	87.6
		CO	200	876
		H ₂ SO ₄	7.5	32.85
		HCl	5.82	25.51
		Pb	0.01	0.02
GID5EX	No. 1 Clinker Cooler Baghouse (6)	PM	3.87	16.93
		PM ₁₀	3.87	16.93
		PM _{2.5}	3.87	16.93
FCLB-3	#1 Cooler System Drops to Clinker Belt (6) (7)	PM	0.26	0.96
		PM ₁₀	0.12	0.46
		PM _{2.5}	0.12	0.46
CPT-1	Clinker Pit Drop and Storage (7)	PM	<0.01	0.02
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3)

VOC	-	volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO _x	-	total oxides of nitrogen
SO ₂	-	sulfur dioxide
PM	-	total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	-	total particulate matter equal to or less than 10 microns in diameter, including PM _{2.5} , as represented
PM _{2.5}	-	particulate matter equal to or less than 2.5 microns in diameter
CO	-	carbon monoxide
HCl	-	hydrogen chloride
NH ₃	-	ammonia
H ₂ SO ₄	-	sulfuric acid
Hg	-	mercury
Pb	-	lead
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned maintenance, startup, and shutdown (MSS) emissions are included.
- (6) Kiln No. 1 and indicated emission points are authorized by this permit until such time as Kiln No. 3 begins full operation.
- (7) Emission rate is an estimate and an enforceable limit. Fugitive emission compliance will be demonstrated through compliance with the applicable special condition(s) and permit application representations.
- (8) 30 day rolling average.

Date: December 6, 2017

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX110

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities authorized by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
KILN3	Kiln No. 3 Stack	CO ₂ (5)	1,059,154
		CH ₄ (5)	50.42
		N ₂ O (5)	7.33
		CO ₂ e	1,062,600
EEF-8	Air Separator Baghouse	CO ₂ (5)	20,494
		CH ₄ (5)	0.39
		N ₂ O (5)	0.04
		CO ₂ e	20,516
EEF-1	Air Separator Baghouse	CO ₂ (5)	20,494
		CH ₄ (5)	0.39
		N ₂ O (5)	0.04
		CO ₂ e	20,516
ENG-5	Emergency Generator	CO ₂ (5)	12.98
		CH ₄ (5)	<0.01
		N ₂ O (5)	<0.01
		CO ₂ e	13

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources, use area name or fugitive source name.

(3) CO₂ - carbon dioxide

N₂O - nitrous oxide

CH₄ - methane

CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):

CO₂ (1), N₂O (298), CH₄ (25), SF₆ (22,800), HFC (various), PFC (various)

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.

(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date: December 6, 2017